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TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

DRAFT FFY 2010-2013

For the
METROPOLITAN PLANNING ORGANIZATION
PIONEER VALLEY REGION,
MASSACHUSETTS

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2010-13

This document was prepared under contract with the Executive Office of Transportation and Public Works. *This report was funded in part through grant[s] from the Federal Highway Administration [and Federal Transit Administration], U.S. Department of Transportation. The views and opinions of the authors [or agency] expressed herein do not necessarily state or reflect those of the U. S. Department of Transportation*

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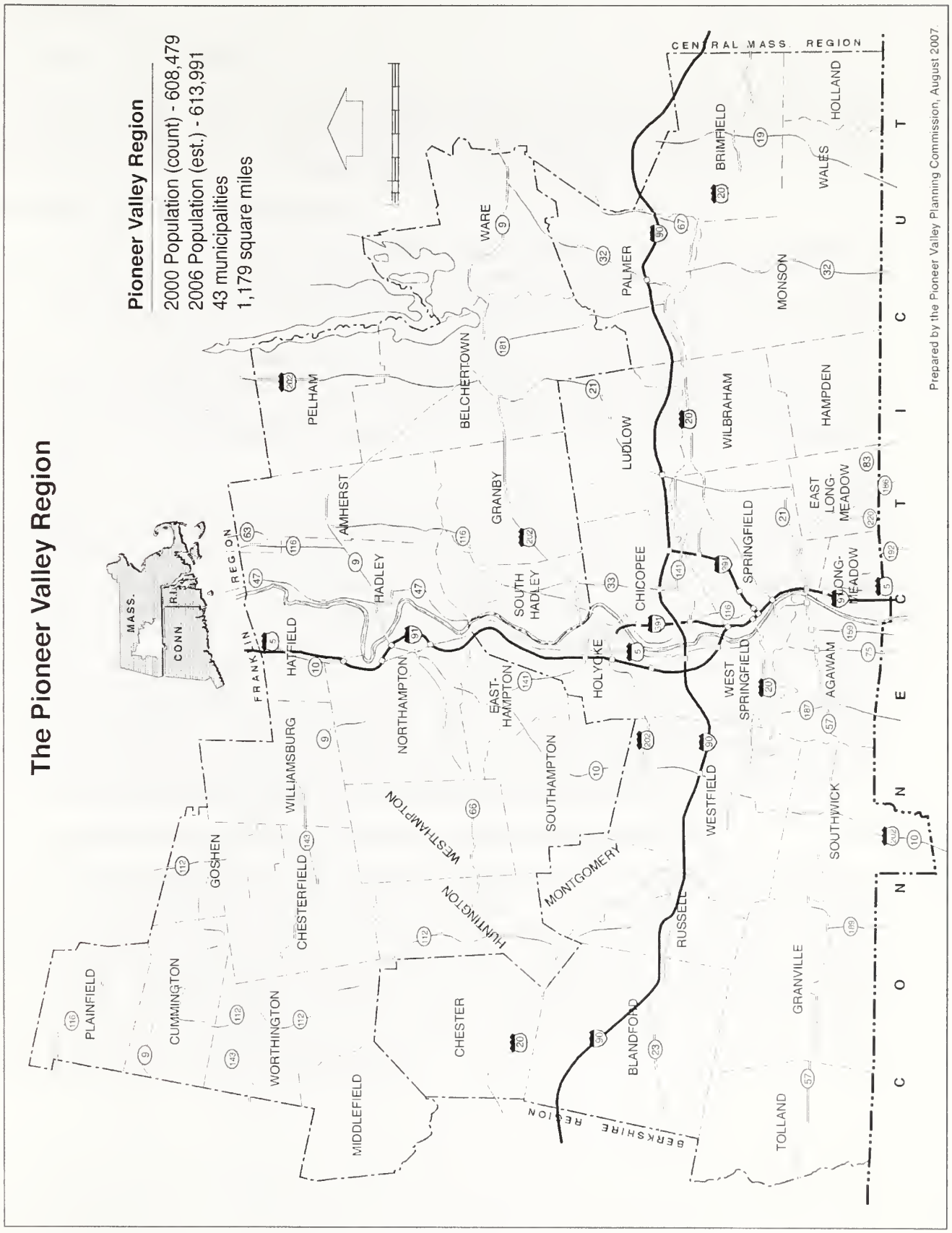
The Pioneer Valley Region
Pioneer Valley Region
2000 Population (count) - 608,479
2006 Population (est.) - 613,991
43 municipalities
1,179 square miles
MASS.
CONN.
R.I.
FRANKLIN REGION
CENTRAL MASS. REGION
BERKSHIRE REGION
PLAINFIELD
CUMMINGTON
GOSHEN
WORTHINGTON
CHESTERFIELD
WILLIAMSBURG
HATFIELD
MIDDLEFIELD
CHESTER
WESTHAMPTON
HUNTINGTON
NORTHAMPTON
HADLEY
AMHERST
PELHAM
EAST-HAMPTON
SOUTH HADLEY
GRANBY
BELCHERTOWN
SOUTHAMPTON
MONTGOMERY
WARE
HOLYOKE
CHICOPEE
LUDLOW
PALMER
BLANDFORD
RUSSELL
WESTFIELD
WEST SPRINGFIELD
SPRINGFIELD
WILBRAHAM
BRIMFIELD
MONSON
WALES
HOLLAND
HAMPDEN
EAST LONG-MEADOW
LONG-MEADOW
AGAWAM
SOUTHWICK
GRANVILLE
TOLLAND
Prepared by the Pioneer Valley Planning Commission, August 2007.

PREFACE

The Pioneer Valley Region

The Pioneer Valley Region is comprised of 43 cities and towns covering approximately 1,180 square miles. Home to over 600,000 residents, the Pioneer Valley is the fourth largest metropolitan area in New England. The following map references the Pioneer Valley Region and displays an outline of the principle highways throughout.

TIP Format and MPO Endorsement

The FFY 2009-2012 TIP has been prepared with completely separate components of the document that are subject to federal review and approval and components that are not. This distinction of a "federal component" was the firm position of the Executive Office of Transportation and Public Works(EOT) as a means to avoid potential problems with adequately satisfying federal financial constraint requirements with the non-federal aid component of the TIP. Although a non-federal component of the TIP is represented, it is understood that this component is not subject to Metropolitan Planning Final Rule 23 CMR 450 section 324, therefore federal review and approval is not required.

The non-federal component is provided for the benefit of the MPO and the constituent communities as a representation of an agreed upon listing of improvement projects to be undertaken entirely with state provided resources. All projects included in the NFA section of the TIP must be eligible to receive federal funds and be located on a functionally classified road. The separation of federal aid projects from non-federal aid projects by no means represents a lack of commitment by the state to fund all projects specifically programmed in the document. Assuming that adequate funds are available from federal and/or state sources, it can be fully expected that the following project listings can and will be implemented over the FFY 2009-2012 time frame. Pending federal guidance approving the inclusion of non-federal aid projects without secured bonded resources in each year, the TIP will be amended to reinstate all non-federal aid projects into the document endorsed for federal review and approval.

EOT Commitment to Funding all Designed and Permitted Projects

The EOT has committed to funding all transportation improvement projects that will be ready for advertisement in FFY 2009 and beyond. In response to this commitment, Pioneer Valley local officials in cooperation with regional and state officials from the MassHighway department and the Executive Office of Transportation and Public Works have made a concerted effort to develop a TIP project listing that is truly representative of the projects that will realistically be ready for advertisement in FFY 2009-2012. Funding targets for the Pioneer Valley Region have been issued by EOT identifying potential resources for each year of the TIP.

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https://archive.org/details/transportationim2010pion

I. GENERAL SUPPORT INFORMATION

INTRODUCTION

The Transportation Improvement Program (TIP) is a requirement of the Metropolitan Transportation Planning Process as described in the Metropolitan Planning Final Rule 23 CFR 450 section 324. This regulation developed by the Federal Department of Transportation defines the Transportation Improvement Program as:

> *"A staged, multiyear, intermodal program of transportation projects which is consistent with the metropolitan transportation plan."*

The Pioneer Valley TIP is a four-year schedule of projects identified by year and location complete with funding source and cost. The TIP is developed annually and is available for amendment and adjustment at any time. Each program year of the TIP coincides with the Federal Fiscal Year calendar, October 1 through September 30. All TIPs and amendments are consistent with the goals and objectives of the Regional Transportation Plan for the Pioneer Valley region. This TIP is financially constrained.

All projects in the TIP come from the conforming 2007 Regional Transportation Plan. All regionally significant projects included in the TIP were previously included in the air quality analysis completed for the conforming RTP. Because projects in the TIP come from the conforming RTP, and all regionally significant RTP projects for 2009 through 2012 (both Federal and Non-Federal Aid) are programmed in the TIP, the same air quality analysis utilized for the RTP can be used for the TIP. Therefore, this TIP, in combination with the TIPs from the other MPOs in the nonattainment area, is found to be in conformance.

DEVELOPMENT OF THE TIP

The Pioneer Valley Metropolitan Planning Organization (MPO) is responsible for developing the TIP. The MPO is comprised of ten members including four independently operating agencies and six locally elected officials:

- Executive Office of Transportation (EOT);
- Massachusetts Highway Department (MHD);
- Pioneer Valley Transit Authority (PVTA); and
- Pioneer Valley Planning Commission (PVPC);

- Mayor of Chicopee
- Mayor of Holyoke;
- Mayor of Northampton
- Mayor of West Springfield
- Selectboard member from Belchertown;
- Selectboard member from Granville;

As the lead planning agency for the MPO, the PVPC accepts the responsibility for developing the TIP in a cooperative process with members of the MPO and the general public. The final TIP is voted on for endorsement at a formal meeting of the MPO. The

endorsed TIP project listing is included in the State Transportation Improvement Program verbatim and requires endorsement by the Governor.

The MPO relies on a transportation advisory committee to carry out the cooperative process during TIP development. The Joint Transportation Committee (JTC) is a group of community appointed officials, MPO member representatives, public and private transportation providers, citizens, and special interest groups and agencies. The JTC establishes and recommends to the MPO procedures for submitting, prioritizing and selecting projects for the TIP. PVPC staff provides the technical support to conduct the TIP development activities for the JTC.

Below is a general outline of steps taken during the TIP development process.

1. Project proponents (communities, MPO members, agencies) submit projects through the process outlined in Chapter 2 of the Massachusetts Project Development & Design Guidebook (2006)
2. Projects are prioritized based on an evaluation criteria by MPO staff, JTC representatives, and MassHighway District staff, and EOT staff at a posted meeting open to all.
3. The State (thru EOT) provides funding targets for the Pioneer Valley Region.
4. JTC reviews and recommends project priorities on the TIP to the MPO
5. Draft TIP project listings are prepared by the MPO staff are distributed for review and comment to MPO members
6. MPO meets to make final decisions on the composition of the TIP and to recommend the Draft TIP for general public release for no less than a 30 day review period
7. Final Draft TIP is distributed for review, consultation and comment in accordance with the adopted Public Participation Plan
8. Public meetings and news releases are conducted to promote public involvement and consultation.
9. Comments are compiled and addressed where appropriate
10. Final TIP developed for the JTC's consideration and their recommendation to MPO
11. MPO meets to vote on endorsement of the TIP
12. Endorsed Regional TIPs are compiled by EOT to create the State TIP (STIP)
13. Secretary of EOT endorses the STIP (on behalf of the Governor) and submits the STIP to federal agencies for review and approval
14. Federally approved STIP is ready for state implementation (project advertisement)
15. Amendments and adjustments to the TIP are made on an as needed basis with the additional public review and input for formal amendments only.

Congestion Management Program (CMP)

The Pioneer Valley Congestion Management Program (CMP) formerly the Congestion Management System (CMS) is an on-going, systematic process designed to improve transportation in the region by providing up to date information on the location, severity and extent of congested corridors and intersections. Findings of the CMP report are used to assist in the selection of projects to be Prioritiezed for TIP consideration, as well as assist in the prioritization of projects to be included in this document.

PROJECT PRIORITY CRITERIA AND SELECTION

The EOT developed a process and set of criteria to prioritize the region's TIP projects which was modified and endorsed by the MPO. All projects included in the TIP have been evaluated and assigned a priority value or rating (See Appendix D). This process is used as a management tool to identify projects of regional priority and program them accordingly in the TIP.

PRIORITY CRITERIA

A Project Information Form was developed in concert with the priority process and contains information for each project submitted. In addition to this, consultation with the project sponsors and the state provided information also used in the evaluation of each project priority rating. The priority rating was based on the following information:

- Identified in the RTP;
- Project Preparedness;
- Benefit Cost;
- Facility Preservation;
- Congestion Relief;
- Safety;
- Enhanced mobility;
- Air Quality/Environmental;
- Enhancement Activity; and
- Status of Design.

The Project Information Form and a detailed outline of the project priority evaluation criteria are presented in Appendix E.

PROJECT SELECTION AND PROGRAMMING

The project priority ratings were applied in conjunction with a project's anticipated advertisement schedule and with the funding targets provided by the state to develop the four-year program of the TIP. A project was not considered for scheduling in a year earlier than its anticipated schedule regardless of the priority rating. For projects that are expected to be ready to go in the first year of the TIP the top priority projects for that year were funded under the federal aid categories, since these funds are most secure. Once the federal aid funds were completely programmed, non-federal aid funds were programmed to priority projects. This initial assignment procedure was applied to each

year of the TIP and is subject to change as the TIP is developed and refined by members of the MPO and the JTC.

AMENDMENT/ADJUSTMENT OF THE TIP

For the purposes of project selection and programming, amendment or adjustment to the TIP can be conducted at any time. Amendment of the TIP consists of addition of a project not previously programmed, the advancement of a Year 3 project through Year 4 or a significant adjustment to project costs. Amendment requires formal MPO action.

Program adjustments can be conducted without formal MPO action in order to minimize constraints on programming projects. Minor adjustments could include such actions as moving projects between Year 1 and Year 2, and minor fluctuations in project description, costs and funding source. This action can be accomplished through an agreed upon administrative action.

DESCRIPTION OF FUNDING SOURCES

Interstate Maintenance (IM) - Resurfacing, restoration and rehabilitation are eligible activities for maintaining Interstate facilities. Reconstruction is also eligible if it does not add capacity. However, high-occupancy-vehicle (HOV) and auxiliary lanes can be added. Funding: federal - 90 %, state - 10 %.

Surface Transportation Program (STP) - This program is for the maintenance and construction of the federal aid system, all roads other than those functionally classified as local or rural minor collectors. Funds may also be flexed for use on bridge, transit capital, and bike or trail facilities. A minimum amount of 10 percent must be set aside for both safety construction activities and for transportation enhancements. The remaining STP balance is for use throughout the state. Funding: federal - 80%, state - 20%.

Surface Transportation Program Enhancements (ENHMT) - A portion of the Surface Transportation Program funding for enhancement projects chosen by states and localities. Funding: federal - 80%, state - 20%

Congestion Mitigation and Air Quality Improvement Program (CMAQ) - These funds are directed towards transportation projects and programs which reduce transportation-related emissions. These funds are to assist areas designated as nonattainment and maintenance under the Clean Air Act Amendments of 1990. These projects will contribute to meeting the attainment of National Ambient Air Quality Standards (NAAQS). Funding: federal - 80%, state - 20%.

Bridges - Funds the replacement or repair of structurally deficient or unsafe bridges in urban and rural areas. All bridges, both on and off the federal aid roadway system are eligible for funding. Funding: federal - 80%, state - 20%.

National Highway System (NHS) - The National Highway System (NHS) consists of major roads in the United States, including all Interstate routes, a large percentage of urban and principal arterials, the defense Strategic Highway Network (STRAHNET) and other strategic highway connectors. Typically, these facilities qualify for an 80 percent

federal share, however, projects on Interstates may qualify for up to 90 percent federal share funds. Funding: federal - 80%, state - 20%.

Other Federal Aid - This category includes projects that received federal funding within the Federal-Aid Program and may include special demonstration project funding. Funding: federal - 80%, state - 20%.

In compliance with FHWA guidelines projects with federal earmarks are only programmed in the FY 2008 to FY 2011 TIP if the total funding is adequate for project implementation. The reaming earmarked projects will be included in appendix z for informational and tracking purposes.

High Priority Projects (HPP) High Priority Projects are congressionally earmarked projects that have been deemed as a high priority for the state were the project is located. Funding: federal - 80%, state – 20%

Section 115 Funds Included in the Transportation bill as congressional earmarks, each year the earmarks are given a designated funding category. In FFY2005 the funding designation for these projects was Section 115 Funds. Funding: federal – 100%, state – 0%

Section 117 Funds Included in the Transportation bill as congressional earmarks, each year the earmarks are given a designated funding category. In FFY2006 the funding designation for these projects was Section 117 Funds. Funding: federal – 100%, state – 0%

Section 129 Funds Congressional Earmarks for FFY 2008. Funding: federal – 100%, state – 0%

Section 125 Funds Congressional Earmarks for FFY 2009. Funding: federal – 100%, state – 0%

Non-Federal Aid (NFA) - This funding category contains all those projects not receiving federal funds. Various categories of state funding are included in this group including bikeways, State Aid (Chapter 90), and highway construction and maintenance (Chapter 497). This category is included in the TIP for informational purposes only. Funding: federal - 0 %, state - 100 %.

Section 5309 Capital (SEC.09) - A discretionary grant program funding capital projects in urban areas that are considered major capital investments in public transportation and facilities. Funding: Federal - 80%, State - 20%

Section 5307 Capital (SEC. 07-CAP) - Eligible projects for Section 5307 (Capital) funds include the planning, acquisition, construction, improvement and operating costs of facilities, equipment, and associated capital maintenance items for use in providing mass transit service. The Federal match for Planning and/or capital assistance under Section 5307 is 80 percent of the net project cost, but a recipient is permitted to provide additional local match at its option. There are three exceptions to 80 percent Federal match for capital projects:

1. Air Quality Benefit. If an air quality benefit can be forecast for a project such as a bus purchase, the federal match is 90 percent. Larger state and local matches are allowed.
2. Elderly and Disabled Projects. The federal match is 95 percent for any element of a capital project intended exclusively to enhance the accessibility and mobility of elderly and disabled persons and that is in excess of Federal requirements. All FTA-funded projects must be designed and implemented to meet the basic accessibility or mobility needs of elderly and disabled persons.
3. Additional Service. Capital expenditures for the increase in service can be funded with a 90% federal match.

Section 5307 Operating (SEC. 07-OPR) - Funds allocated under this category may be used to fund up to 50 percent of the operating cost associated with the provision of public mass transportation systems in urbanized areas.

Section 5310 - Section 10 pertains to transportation facilities meeting special needs of the elderly and disabled. Funds allocated under Section 16(b)(2) provide private non-profit corporations and associations with grants and loans to improve the mobility of the elderly and disabled. In Massachusetts, 16(b)(2) funds are administered at the state level by the EOT. These funds typically are used for the purchase of capital items, including lift-equipped vans. Mobility Assistance Program (MAP) funds are intended for use by public agencies, such as municipal councils on aging and the PVTA to provide van service to elderly and/or disabled persons.

Section 5311 - These funds are made available exclusively for public transportation projects outside the urbanized areas. Both capital and operating expenses are eligible.

Section 20 - Section 20 provides financial assistance for projects which address the human resource needs and conditions of the public transit industry. The federal share of eligible capital and project administrative expenses is not to exceed 80 percent of the net cost of the project. The federal share for state administration and technical expenses is 100 percent, not to exceed 15 percent of the state's total apportionment.

TRANSPORTATION SYSTEM OPERATING AND MAINTENANCE COSTS

The FFY 2009-2012 TIP is consistent with the Regional Transportation Plan (RTP) for the Pioneer Valley Region. Tables 1 and 2 presents the estimates outlined in the RTP of annual expenditures associated with operating and maintaining the transportation system. These estimates represent past expenditures and do not reflect costs associated with maintaining a constant level of system performance.

Table 1
Transportation Operating and Maintenance Expenditures

	2007 - 2010 From TIP	2011 - 2015 Total	2016 - 2020 Total	2021 - 2025 Total	2026 - 2030 Total	GRAND TOTAL Total
Total Available for Programming in the Pioneer Valley RTP	**$ 211,406,178**	**$400,102,000**	**$565,183,000**	**$652,511,000**	**$753,749,000**	**$ 2,582,951,178**
*Recommended Maximum for Major Infratructure Projects**	$ 58,161,375	$56,340,000	$74,756,000	$86,663,000	$100,466,000	$ 376,386,375
Recommended Minimum for Bridge Projects	$ 70,979,230	$153,608,000	$195,308,000	$226,415,000	$262,477,000	$ 908,787,230
Recommended Minimum for IM Projects	$ 20,000,000	$30,405,000	$43,861,000	$50,847,000	$58,946,000	$ 204,059,000
Recommended Minimum for Operating, Maintaining and Improving the Highway-Funded Transportation System	$ 62,265,573	$159,749,000	$251,258,000	$288,586,000	$331,860,000	$ 1,093,718,573

* *Total of all Federal Earmarks used for 2007 - 2010 total*

Table 2
Transit Operating and Maintenance Expenditures

	2007 - 2010	2011 - 2015	2016 - 2020	2021 - 2025	2026 - 2030	TOTAL
Total Available for Programming in the Pioneer Valley RTP	$ 187,540,921	$ 258,818,336	$ 289,994,352	$ 324,018,124	$ 363,032,353	$ 1,423,404,086
Urbanized Area Formula (5307)	$ 53,635,750	$ 77,018,397	$ 89,285,431	$ 103,506,286	$ 119,992,153	$ 443,438,017
*Capital Fixed Guideway Program (5309)**	$ -	$ 1,000,000	$ 2,500,000	$ 2,500,000	$ 2,500,000	$ 8,500,000
Elderly & Disabled (5310)	$ 1,494,399	$ 1,755,931	$ 2,035,606	$ 2,359,825	$ 2,735,684	$ 10,381,446
Non-Urbanized Area Formula (5311&5340)	$ -	$ -	$ -	$ -	$ -	$ -
JARC (5316)	$ 1,547,213	$ 1,817,874	$ 2,107,415	$ 2,443,071	$ 2,832,189	$ 10,747,763
New Freedoms (5317)	$ 946,499	$ 1,111,547	$ 1,288,588	$ 1,493,827	$ 1,731,754	$ 6,572,215
State Capital Investment	$ 13,150,662	$ 19,254,599	$ 22,321,358	$ 25,876,571	$ 29,998,038	$ 110,601,229
State Contract Assistance for Operations	$ 74,049,299	$ 103,463,612	$ 117,059,581	$ 132,442,171	$ 149,846,160	$ 576,860,823
Local Assistance	$ 22,230,087	$ 27,787,608	$ 27,787,608	$ 27,787,608	$ 27,787,608	$ 133,380,519
Farbox Revenue	$ 20,487,012	$ 25,608,765	$ 25,608,765	$ 25,608,765	$ 25,608,765	$ 122,922,074

* Assumes $500,000 a year for Springfield/Hartford/New Haven Commuter Rail beginning in 2014

Source: Regional Transportation Plan, updated 2006

II. PUBLIC PARTICIPATION SUMMARY AND CHANGES

The DRAFT FFY 2009-2012 TIP underwent a public review and comment period consistent with the Pioneer Valley Region Public Participation Process. This began July 17, 2009 and continued for 30 days until August 17, 2009. During this time, comments were received from communities, JTC, PVTA, PVPC, MHD District offices and EOT. Below is a summary of the significant changes by year to the Draft TIP as result of the public review and comment period.

COMMENTS MADE REGARDING THE FFY 2009-2012 TIP:

In addition to the above changes, the Pioneer Valley Transit Authority requested that the following be included: The Pioneer Valley Transit Authority, the FTA Section 5307(c) applicant, has consulted with the Pioneer Valley Planning Commission and concurs that the TIP satisfies the public hearing requirements that pertain to the development of the Program of Projects for regular Section 5307, Urbanized Area Formula Program, grant application including the provision for public notice and the time established for public review and comment.

For FTA projects that are not routine; i.e. Section 5307 applications that required environmental assessment or an environmental impact statement, the public involvement provided herein for TIP review is not sufficient. Additional public involvement will be required by FTA prior to grant approval, as presented in the joint FHWA/FTR environmental regulations, 23 CFR-Part 771.

The Federal Aid (FA) and Non-Federal Aid (NFA) elements were separated into two components. The FA component of the TIP was endorsed by the MPO and the NFA component is included in the main body of the TIP, however, is not subject to federal planning rules.

III. FEDERAL COMPONENT

PIONEER VALLEY MPO ENDORSEMENT

Endorsment pg 1

Endorsement Pg 2

CERTIFICATION OF THE 3-C PLANNING PROCESS

In accordance with the Metropolitan Planning Final Rule, the Pioneer Valley MPO has completed its review and hereby certifies that the conduct of the 3-C Transportation Planning Process complies with the requirements of CFR 450.334 and includes activities to support the development and implementation of this TIP, the Regional Transportation Plan, and subsequent project development activities, as necessary and to the degree appropriate.

To reinforce this self certification, the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) conducted a certification review of the Pioneer Valley MPO planning process in December 2004. The two day on-site review was preceded by a desk audit of the major planning documents completed as part of the planning process. Based on the certification review, the transportation planning process for the Pioneer Valley region was found to substantially meet the requirements of 23 CFR 450 Subpart C and 49 CFR 613.

Certificate of the 3C planning process pg 1

Certificate of 3C process pg 2

Certificate of 3C process pg 3

FUNDING INFORMATION

Federal Aid Funding Targets

The EOT provided the revised PVPC federal aid highway funding targets and CMAQ targets for the region on July 1, 2009 The targets are provided for FFYs 2010 through 2013 and represent both the federal aid portion and respective state match.

Federal financial resources for transit are projected using appropriated amounts provided by the FTA for the funding categories of Sections 5307 and 5311. Sections 5309 and 20 are based on estimates of what will be reasonably available. Due to the discretionary nature of these categories, project line items are maintained in the fourth year of the TIP until an actual grant award is tendered. Section 5310 is programmed through the state and is awarded on a discretionary basis. Projections are based on past experience and the funding level provided by the State.

Federal Aid Financial Constraint

The federal aid element of the TIP is financially constrained according to the definition in Federal Register 23 CFR Part 450.324. The federal aid projects programmed for this region reasonably meet the federal aid funding targets provided for the region. Only projects for which funds can reasonabley be expected have been included. Table 3 shows both these target amounts and the amounts programmed for highway projects during fiscal years 2010-2013. Projects that are not charged against the funding targets are not presented in the table. These projects include: Statewide items; and special funding projects.

Table 3
Federal Highway Financial Plan

Fiscal Year	Federal Target	Federal Aid Programed	CMAQ Target	CMAQ Funded	HSIP Target	HSIP Funded
2010	$13,160,663	$11,594,664	$0	$1,565,999	$1,080,992	$1,080,992
2011	$12,088,335	$9,763,582	$0	$1,603,459	$1,080,992	$1,080,992
2012	$11,716,841	$11,617,114	$0	$0	$1,080,992	$1,080,992
2013	$9,396,840	$8,436,704	$2,161,984	$2,161,984	$1,080,992	$1,080,992

The funding targets were programmed to projects according to project priority rating. Projects were programmed slightly beyond the program target with the understanding that the targets are not earmarks and program levels are expected to fluctuate.

The TIP reflects an emphasis on the maintenance and operation of the current transportation system with the ability to provide capital improvements. The federal aid program for each year consist of almost entirely of maintenance projects for the present transportation system.

The transit program outlined in Table 4 represents both apportioned items as well as discretionary items. The total programmed amount represents both the federal, state and local contributions.

Table 4
Federal Transit Financial Plan

Fiscal Year	Total Programmed
2010	$124,553,783
2011	$94,700,204
2012	$96,412,164
2013	$98,835,384

The transit projects programmed focus on maintaining and operating the present system and reflect little to no expansion. The present transit system is being evaluated in order to service the same area more efficiently.

IV. TRANSPORTATION PROJECT PRIORITIES

ORGANIZATION OF PROJECT LISTINGS

Each project in the TIP contains the following information:

SID - Project identification numbers given by the Massachusetts Highway Department.

City/Town - Town or city in which a project is located.

Project Description - A brief description of work to be funded under the project.

Funding - The funding catagory from which funding is expected.

Federal Funds - The amount of federal dollars allocated for project construction.

State Funds - The amount of state dollars allocated to the project.

Total Cost - The total dollar amount that the project is expected to cost.

Regional Target - The total combined Federal and State dollar amount provide for project funding

TEC Score – Transportation Evaluation Criteria (TEC) is used by the TIP sub-committee to rank each potential TIP porject

V. FEDERAL AID REGIONAL PROJECT LISTINGS

The following is a complete listing of the Pioneer Valley Federally Funded Transportaion Improvement Projects for Fiscal Years 2010-2013.

Table 5

Section 1: FEDERALLY FUNDED PROJECTS: YEAR 2010

Project Description	City/Town	Project ID	Funding	Fed. Funds	State Funds	Total Cost	Reg. Target
Part 1A: Federal Aid Target Projects							
*I-91 ITS ($30,761,644)	Region Wide	603903	CMAQ	$1,252,799	$313,200	$1,565,999	
East Street reconstruction (Footprint)	Chesterfield	604718	STP	$2,644,000.0	$661,000.0	$3,305,000	
Amherst Rd Reconstruction	Pelham	601154	STP	$4,800,000	$1,200,000	$6,000,000	
*Routes 10/202 resurfacing (center) ($5,175,000)	Southwick	604154	STP	$1,831,731.2	$457,932.8	$2,289,664	
Subtotal Target Projects				**$10,528,530**	**$2,632,133**	**$13,160,663**	**$13,160,663**
No CMAQ Funds Available				$0	$0	$0	
Subtotal CMAQ Projects				**$0**	**$0**	**$0**	**$0**
*Routes 10/202 resurfacing (center) ($5,175,000)	Southwick	604154	HSIP	$864,794	$216,198	$1,080,992	
Subtotal HSIP Projects				**$864,794**	**$216,198**	**$1,080,992**	**$1,080,992**
Part 1B: Federal Aid Bridge Projects							
Great River Bridge	Westfield	600933	A/C Bridge	$800,000	$200,000	$1,000,000	
Bridge Rehabilitation Route 116 Chicopee/Cabot St. over Conn. River and PVRR	Chicopee/Holyoke	82611	A/C Bridge	$800,000	$200,000	$1,000,000	
Bridge Replacement State Street over the Ware River	Palmer	604030	BR	$2,025,762	$506,441	$2,532,203	
Bridge Replacemen, King's Bridge over Quaboag River	Brimfield/Palmer	603705	SBF	$2,300,000	$575,000	$2,875,000	
Subtotal Bridge Projects				**$5,925,762**	**$1,481,441**	**$7,407,203**	
Part 1C: Federal Aid Non-Target Projects							
Route 5 Reconstruction	West Springfield	604210	Sec. 117	$4,722,856	$0	$4,722,856	
*Route 116 Atkins Corner	Amherst	604043	Sec. 129	$1,470,000	$0	$1,470,000	
*Route 116 Reconstruction and alignment	Amherst	604043	HPP-1271	$2,879,681	$719,920	$3,599,601	
Landscape Connectivity Study UMASS	Amherst		Sec. 125	$285,000	$0	$285,000	
Spring and Elliot Street Improvments - Design only	Springfield		Sec. 125	$114,000	$0	$114,000	
Hampshire County Bike Paths (Norwottuck Reconst)- Design Only	Various	605065	HPP-1773	$320,000	$80,000	$400,000	
*I-91 Fiber and Conduit Project - design/build	Region wide	603903	IM DISC	$1,900,000	$211,111	$2,111,111	
Public Improvements to Springfield Symphony Hall	Springfield	604603	HPP-3115	$215,977	$53,994	$269,971	
*Holyoke Canalwalk and streetscape improve (Phase 2) Design only	Holyoke	603263	Sec. 115	$250,000	$0	$250,000	
*Manhan Rail Trail Coleman Rd. Extension - construction	Easthampton	604441	Sec. 115	$653,762	$0	$653,762	
*Norwottuck-Manhan Trail connections (1998) - funding for Colemen Rd extenstion	sthampton, Amherst,	2828, 6030	HPP-596	$334,652	$83,663	$418,315	
*Route 10/202 Resurfacing (Center section)	Southwick	604154	Sec. 112	$1,800,000	$0	$1,800,000	
*Route 10/202 Resurfacing (Center section)	Southwick	604154	Sec. 125	$296,875	$0	$296,875	
*Keystone Arch Bridges restoration	Becket/Middlefield/C	602967	SW-Enh	$803,360	$200,840	$1,004,200	
Main St. (Rte. 20) and Park Square Hwy Improvement (Total Cost TBD)	Westfield	603318	ER**	$15,000,000	$0	$15,000,000	
*Rte 116 Atkins Corner ($7,508,980 MHD price 6/30/09)	Amherst	604043	ER**	$2,439,289	$0	$2,439,289	
Intersection improvements, Chapin at East Street	Ludlow	604437	ER**	$1,301,020	$0	$1,301,020	
Ware River Secondary track improvements	Palmer	FRE-101	ER**	$4,000,000	$0	$4,000,000	
*Manhan Rail Trail Coleman Road Extension ($1,176,000)	Easthampton	604441	ER**	$103,923	$0	$103,923	
Mahan Rail Trail Bridge over Manhan River	Northampton/Eastha	605728	ER**	$620,000	$0	$620,000	
*Keystone Arch Bridges restoration	Becket/Middlefield/C	602967	ER**	$1,000,000	$0	$1,000,000	
New England High Speed Rail	Region wide		FRA-HSR	$700,000	$700,000	$1,400,000	
Subtotal Non-Target Projects				**$40,510,395**	**$2,049,529**	**$42,559,923**	
Part 1D: Other Federal Aid Projects							
I-91 Pavement rehabilitation	Holyoke	604605	IM	$11,101,320	$1,233,480	$12,334,800	
Route 33 resurfacing	Chicopee	605260	NHS PVMT	$4,294,400	$1,073,600	$5,368,000	
Subtotal Other Federal Aid Projects				**$15,395,720**	**$2,307,080**	**$17,702,800**	
Total Federal Projects				**$72,360,408**	**$8,470,182**	**$80,830,589**	

*Indicates projects with multiple funding sources

**Economic Recovery

Table 6

	Project Description	City/Town	Project ID	Funding	Fed. Funds	State Funds	Total Cost
Part 2A:	**Regional Priority Projects**						
	To be determined				$0	$0	$0
	Subtotal Regional Priority Projects				**$0**	**$0**	**$0**
Part 2B:	**Priority Bridge Projects**						
	Bridge Replacement Route 202/Route 10 over Johnson Brook	Southwick	601322	GAN	$0	$2,148,417	$2,148,417
	Subtotal Priority Bridge Projects				**$0**	**$2,148,417**	**$0**
	Total All Projects				**$72,360,408**	**$9,918,599**	**$82,279,006**

Projects included in this section of the TIP does not guarantee a projects advertisement and construction

Table 7

Section 1: FEDERALLY FUNDED PROJECTS: YEAR 2011

Project Description	City/Town	Project ID	Funding	Fed. Funds	State Funds	Total Cost
Part 1A: Federal Aid Target Projects						
*I-91 ITS ($30,761,644)	Region Wide	603903	CMAQ	$1,282,767	$320,692	$1,603,459
*North end and Brightwood Infrastructure Improvements (South) ($3,3844,574)	Springfield	604449	STP	$2,210,866	$552,716	$2,763,582
Westfield St. (Rte. 20)	West Springfield	604737	STP	$2,800,000.0	$700,000.0	$3,500,000
Elm Street Reconstruction	East Longmeadow	601350	STP	$2,800,000.0	$700,000.0	$3,500,000
Subtotal Target Projects				**$9,093,633**	**$2,273,408**	**$11,367,041**
No CMAQ Funds Available				$0	$0	$0
Subtotal CMAQ Projects				**$0**	**$0**	**$0**
*North end and Brightwood Infrastructure Improvements (South) ($3,3844,574)	Springfield	604449	HSIP	$864,794	$216,198	$1,080,992
Subtotal HSIP Projects				**$864,794**	**$216,198**	**$1,080,992**
Part 1B: Federal Aid Bridge Projects						
Bridge replacement Roosevelt Ave over Contrail Spur & Main (Double Stack) Line	Springfield	602600	BR	$9,790,917	$2,447,729	$12,238,646
Great River Bridge	Westfield	600933	A/C Bridge	$3,200,000	$800,000	$4,000,000
Bridge Rehabilitation Route 116 Chicopee/Cabot St. over Conn. River and PVRR	Chicopee/Holyoke	82611	A/C Bridge	$4,800,000	$1,200,000	$6,000,000
Subtotal Bridge Projects				**$17,790,917**	**$4,447,729**	**$22,238,646**
Part 1C: Federal Aid Non-Target Projects						
Hampshire County Bike Paths (Norwottuck Reconst)- construction	Various	605065	HPP-1773	$3,239,560	$787,249	$4,026,809
Subtotal Non-Target Projects				**$3,239,560**	**$787,249**	**$4,026,809**
Part 1D: Other Federal Aid Projects						
I-91 Interstate Pavement rehabilitation	West Springfield	605587	IM	**$5,090,328**	**$565,592**	**$5,655,920**
Route 9 Resurfacing	Cummington	n/a	NHS PVMT	$3,864,960	$966,240	$4,831,200
Subtotal Other Federal Aid Projects				**$8,955,288**	**$1,531,832**	**$10,487,120**
Total Federal Projects				**$39,079,398**	**$9,040,218**	**$48,119,616**

*Indicates projects with multiple funding sources

Projects included in this section of the TIP does not guarantee a projects advertisement and construction

Targets have been reduce to compensate for 4% per year inflation rate

Table 8

Section 2: REGIONAL PRIORITY LIST OF STATE FUNDED (NFA) PROJECTS FOR YEAR 2011

Project Description	City/Town	Project ID	Funding	Fed. Funds	State Funds	Total Cost
Part 2A: Regional Priority Projects						
To be determined				$0	$0	$0
Subtotal Regional Priority Projects				**$0**	**$0**	**$0**
Part 2B: Priority Bridge Projects						
To be determined				$0	$0	$0
Subtotal Priority Bridge Projects				**$0**	**$0**	**$0**
Total All Projects				**$39,079,398**	**$9,040,218**	**$48,119,616**

Projects included in this section of the TIP does not guarantee a projects advertisement and construction

Table 9

Section 1: FEDERALLY FUNDED PROJECTS: YEAR 2012

Project Description	City/Town	Project ID	Funding	Fed. Funds	State Funds	Total Cost
Part 1A: Federal Aid Target Projects						
Main Street (Route 159) Improvements	Agawam	602653	STP	$3,343,574	$835,893	$4,179,467
Route 23 Resurfacing	Blandford/Russell	605614	STP	$3,440,000	$860,000	$4,300,000
*Route 9 @ Route 47 Intersection Improvements	Hadley	604035	STP	$1,594,656	$398,664	$1,993,320
Outer Belt Street Improvements ($2,225,319)	Springfield	604821	STP	$915,462	$228,865	$1,144,327
Subtotal Target Projects				**$9,293,691**	**$2,323,423**	**$11,617,114**
				$0	$0	$0
Subtotal CMAQ Projects				**$0**	**$0**	**$0**
Outer Belt Street Improvements ($2,225,319)	Springfield	604821	HSIP	$864,794	$216,198	$1,080,992
Subtotal HSIP Projects				**$864,794**	**$216,198**	**$1,080,992**
Part 1B: Federal Aid Bridge Projects						
Bridge Replacement pochassic Street over PV RR & Access Rd	Westfield	160045	BR	$2,520,349	$630,087	$3,150,437
Great River Bridge	Westfield	600933	A/C Bridge	$1,600,000	$400,000	$2,000,000
Bridge Rehabilitation Route 116 Chicopee/Cabot St. over Conn. River and PVRR	Chicopee/Holyoke	82611	A/C Bridge	$4,800,000	$1,200,000	$6,000,000
Subtotal Bridge Projects				**$8,920,349**	**$2,230,087**	**$11,150,437**
Part 1C: Federal Aid Non-Target Projects						
*Construct Holyoke Canalwalk and streetscape improve	Holyoke	603263	HPP-4274	$3,505,163	$876,291	$4,381,454
*Construct Holyoke Canalwalk and streetscape improve	Holyoke	603263	Sec. 115	$473,697	$0	$473,697
Subtotal Non-Target Projects				**$3,978,860**	**$876,291**	**$4,855,151**
Part 1D: Other Federal Aid Projects						
I-91 Interstate Pavement rehabilitation	West Springfield/Holyoke	605594	IM	$8,162,532	$906,948	$9,069,480
Subtotal Other Federal Aid Projects				**$8,162,532**	**$906,948**	**$9,069,480**
Total Federal Projects				**$30,355,432**	**$6,336,749**	**$36,692,181**

*Indicates projects with multiple funding sources

Projects included in this section of the TIP does not guarantee a projects advertisement and construction

Targets have been reduce to compensate for 4% per year inflation rate

Table 10

Section 2: REGIONAL PRIORITY LIST OF STATE FUNDED (NFA) PROJECTS FOR YEAR 2012

Project Description	City/Town	Project ID	Funding	Fed. Funds	State Funds	Total Cost
Part 2A: Regional Priority Projects						
To be determined				$0	$0	$0
Subtotal Regional Priority Projects				**$0**	**$0**	**$0**
Part 2B: Priority Bridge Projects						
To be determined				$0	$0	$0
Subtotal Priority Bridge Projects				**$0**	**$0**	**$0**
Total All Projects				**$30,355,432**	**$6,336,749**	**$36,692,181**

Projects included in this section of the TIP does not guarantee a projects advertisement and construction

Table 11

Section 1: FEDERALLY FUNDED PROJECTS: YEAR 2013

Project Description	City/Town	Project ID	Funding	Fed. Funds	State Funds	Total Cost
Part 1A: Federal Aid Target Projects						
Route 181 (Footprint) roadway reconstruction	Belchertown	604433	STP	$4,443,200	$1,110,800	$5,554,000
N.Westfield/S.Westfield St (Route 187) reconstruction ($3,500,000)	Agawam	600513	STP	$1,325,619	$331,405	$1,657,024
Pomeroy Meadow Rd intersection improvements	Easthampton	602486	STP	$980,544	$245,136	$1,225,680
Subtotal Target Projects				**$6,749,363**	**$1,687,341**	**$8,436,704**
Chicopee Riverwalk	Chicopee	602912		$1,120,000	$280,000	$1,400,000
N.Westfield/S.Westfield St (Route 187) reconstruction ($3,500,000)	Agawam	600513	STP	$609,587	$152,397	$761,984
Subtotal CMAQ Projects				**$1,729,587**	**$432,397**	**$2,161,984**
N.Westfield/S.Westfield St (Route 187) reconstruction ($3,500,000)	Agawam	600513	STP	$864,794	$216,198	$1,080,992
Subtotal HSIP Projects				**$864,794**	**$216,198**	**$1,080,992**
Part 1B: Federal Aid Bridge Projects						
TBD				$0	$0	$0
Subtotal Bridge Projects				**$0**	**$0**	**$0**
Part 1C: Federal Aid Non-Target Projects						
TBD				$0	$0	$0
Subtotal Non-Target Projects				**$0**	**$0**	**$0**
Part 1D: Other Federal Aid Projects						
I-91 Interstate Pavement rehabilitation	Easthampton/Northamtpon	604614	IM	**$10,046,700**	**$1,116,300**	**$11,163,000**
Route 5 Resurfacing	Northampton	n/a	NHS PVMT	$702,720	$175,680	$878,400
Subtotal Other Federal Aid Projects				**$10,749,420**	**$1,291,980**	**$12,041,400**
Total Federal Projects				**$19,228,370**	**$3,411,718**	**$22,640,088**

*Indicates projects with multiple funding sources

Projects included in this section of the TIP does not guarantee a projects advertisement and construction

Targets have been reduce to compensate for 4% per year inflation rate

Table 12

Section 2: REGIONAL PRIORITY LIST OF STATE FUNDED (NFA) PROJECTS FOR YEAR 2013

Project Description	City/Town	Project ID	Funding	Fed. Funds	State Funds	Total Cost
Part 2A: Regional Priority Projects						
To be determined				$0	$0	$0
Subtotal Regional Priority Projects				**$0**	**$0**	**$0**
Part 2B: Priority Bridge Projects						
To be determined				$0	$0	$0
Subtotal Priority Bridge Projects				**$0**	**$0**	**$0**
Total All Projects				**$19,228,370**	**$3,411,718**	**$22,640,088**

Projects included in this section of the TIP does not guarantee a projects advertisement and construction

Appendix Z: Other projects within the Region

Table 13

Community	Project Name	Project Description	SID	Total Cost
Agawam	Rte. 57	Construction: Rte. 187 to Southwick	115300	$80,051,613
Agawam	N. Westfield St. / S. Westfield St. (Rte. 187)	Reconstruction: Pine St.to Westfield TL	600513	$3,500,000
Agawam	Bikeway Loop	Bikeway loop Main/River/School	603731	$472,526
Agawam	Connector, Rte 5 to Rte 57/rotary	Connector, Rte 5 to Rte 57/rotary	603372	$10,000,000
Agawam	Rte 159 (Main Street) Improvements	Resurfasce and related work	602653	$3,600,000
Agawam	Route 57 Bridge over 75	BR# A-05-021	604504	$360,000
Agawam	Route 187/57 Intersection Improvements	Intersection Improvement	604203	$250,000
Amherst	Route 116 (Notch) reconstruction	Reconstruction of roadway from Granby T.L. 1.1 miles north	082250	$5,300,000
Belchertown	N. Washington St.Reconstruction	Reconstruction: S. Main St. to North Liberty Street	604692	$3,200,000
Belchertown	Wilson St Bridge	Bridge # B-05-023	602997	$1,116,000
Belchertown	Route 181 (Footprint)	Rehabilitate Route 181 from S.Main St., includes S.Main, Mill Valley, Franklin, and Depot	604433	$5,554,000
Brimfield	Rt. 20 improvement and project	Rt. 19 west to 1500 feet west of Prospect Hill Rd miles	602367	$1,632,000
Brimfield	Route 19 (Wales Rd.)	Rehabilitaion of BR#B-24-006	602540	$125,000
Chesterfield	East Street reconstruction (Footprint)	Reconstruct East street from South Street to Westhampton	604718	$2,100,000
Chicopee	Fuller Rd. Corridor Improvements	Reconstruction: From Rte. 33 to Shawinigan Drive	604434	$6,200,000
Chicopee	Connecticut Riverwalk	Construction: Plainfield St. to Nash Fld.	602911	$1,611,250
Chicopee	Chicopee Riverwalk	Construction: From Chicopee Center, 2.5 mi.	602912	$1,400,000
Chicopee	Memorial Drive (Rt 33) Traffic signal improvement	Improvement to 3 singalsMemorial Dr. at Montgomery and Sheridan St., Braodway at Main St., and Broadway at Belcher St.	604435	$800,000
Cummington	Rte. 112	Rehabilitation: Worthington TL north 1.5 miles	600301	$600,000
East Longmeadow	Westwood Ave.	Reconstruction: Maple St. to N. Main St.	603708	$1,600,000
East Longmeadow	Mapleshade Ave.	Reconstruction: Pleasant St. to N. Main St.	603709	$1,500,000
Easthampton	Park St. Bridge	Reconstruction: BR# E-05-008 over RR tracks	048941	$640,000
Easthampton	Pomeroy Meadow Rd	Reconstruction: S. Hamp. TL north to Loudville Rd.	602486	$1,010,291
Easthampton	Bridge Replacement, Hendrick Street	Replace Bridge # E-5-019 over Broad Brook	604464	$460,000
Goshen	Route 9 reconstruction	Resurface: Rte. 112 to Williamsburg TL	602888	$3,500,000
Granby	Burnett Road	Replace: BR# G-09-001	602609	$450,000
Hadley	South Maple Street	Reconstruction: South of Rte. 9 to Bay Rd.	602796	$2,750,000
Hatfield	Elm Street	Reclamation and Related Work	604208	$644,800

Appendix Z Continued

Community	Project Name	Project Description	SID	Total Cost
Agawam	Connector, Rte 5 to Rte 57/rotary	Connector, Rte 5 to Rte 57/rotary	603372	$10,000,000.00
Agawam	Bikeway Loop	Bikeway loop Main/River/School	603731	$472,526.00
Agawam	Route 187/57 Intersection Improvements	Intersection Improvement	604203	$250,000.00
Agawam/Southwick	Rte. 57 Highway Extension	Construction: Rte. 187 to Southwick	115300	$80,051,613.93
Amherst	Route 116 (Notch) reconstruction	Reconstruction of roadway from Granby T.L. 1.1 miles north	082250	$5,300,000.00
Belchertown	N. Washington St.Reconstruction	Reconstruction: S. Main St. to North Liberty Street	604692	$3,200,000.00
Belchertown	Main @ Maple and Jabish Intersection Improvements	Traffic signal and geometric improvements at the Main Street (Route 181), Maple Street (Route 202), and Jabish Street (Route 21) intersection	605556	$690,000.00
Chicopee	Connecticut Riverwalk	Construction: Plainfield St. to Nash Fld.	602911	$1,611,250.00
Chicopee	Fuller Rd. Corridor Improvements	Reconstruction: From Rte. 33 to Shawinigan Drive	604434	$6,200,000.00
Chicopee	memorial Drive (Rt 33) Traffic signal improvement	Improvement to 3 singalsMemorial Dr. at Montgomery and Sheridan St., Braodway at Main St., and Broadway at Belcher St.	604435	$800,000.00
Cummington	Rte. 112	Rehabilitation: Worthington TL north 1.5 miles	600301	$600,000.00
Cummington	Route 9 Pavement Preservation	Route 9 Pavement Preservation from Windsor TL to Goshen TL	605582	$3,924,500.00
Easthampton	Pomeroy Meadow Rd	Reconstruction: S. Hamp. TL north to Loudville Rd.	602486	$1,010,291.00
Goshen	Route 9 reconstruction	Resurface: Rte. 112 to Williamsburg TL	602888	$4,500,000.00
Hadley	South Maple Street	Reconstruction: South of Rte. 9 to Bay Rd.	602796	$2,750,000.00
Hadley	Route 9 @ Route 47 Intersection Improvements	Traffic Saftey, Signal Improvements, and Geometry	604035	$1,993,320.00
Huntington	Route 112 Resurfacing	Route 112 Resurfacing and Related Work from MM.011 to MM 8.52	605615	$3,070,000.00
Monson	Lower Hampden Rd Phase 2	of Elm Street and Bridge Streetinclude drainage improvements, new	605687	$4,750,000.00
Northampton	Damon Rd. Saftey Improvement	Reconstruction: Rte. 9 to King St. (Rte. 5)	180525	$4,575,000.00
Northampton	Route 66 (West St.) at Earle Street intersection improvements	Intersection improvement: instalation of Signal to mitigate peak hour congestion	604452	$150,000.00
Northampton-Whatley	Park and Ride	construction of two park and ride lots at I-91(Exit 24) and one of Route 9 in Leeds	604222	$800,000.00
Palmer	Rte. 32 (Ware Road)	Reconstruction: Stimson St. to Ware TL	601504	$22,854,850.00
Pelham	Amherst Rd. Reconstruction	Reconstruction: W/O Rte. 202 to Amherst TL	601154	$6,000,000.00
Plainfield	Route 116 (Main St)	Resurfacing and Related work	604825	$1,250,000.00
Southampton	East St. (Footprint)	Reconstruction: Rte. 10 to Holyoke TL	604653	$4,582,450.00
Southampton	Glendale Rd. (Phase II)	Reconstruction: Pomeroy Meadow Road to Route 10.	604738	$1,800,000.00
Southwick	Route 57 Reconstruction	Reconstruction Rt. 57 (Feeding Hills Road)	603477	$2,500,000.00
Southwick	Congamond Rd. (Rte. 168) Reconstruction	Roadway reconstruction: From Route 202 to 250 ft before state line (before culvert)	604033	$3,700,000.00
Southwick	Routes 10/202 resurfacing (northerly)	Routes 10/202 resurfacing (northerly)	604155	$2,000,000.00
Southwick	Routes 10/202 resurfacing (southerly)	Routes 10/202 resurfacing (southerly)	604153	$2,600,000.00

Appendix Z Continued

Community	Project Name	Project Description	SID	Total Cost
Springfield	Roosevlet Ave. @ Island Pond Rd and Roosevelt Ave @ Alden Street	Intersection and signal improvement plan realigns Island Pond Road with Roosevelt Avenue to create a three way signalized intersection as well as upgrading equipment and timing	605385	$1,529,817.00
Springfield	Main St, Front, Route 141 Improvments (Indian Orchard)	Traffic signal and related work Main st, Fron st., Myrtle st (Route 141) Indian Orchard	604448	$785,000.00
Springfield/Wilbraham	Boston Rd Reconstruction (Route 20)	Reconstruction of Boston Rd and other infraustructure improvements	605213	$9,260,000.00
Ware	Ware River Valley Preservation Project	Ware River Valley Greenway Trail & Covered Bridge Preservation Project	603454	$1,400,000.00
West Springfield	Rte 5 Reconstruction	Rte 5 Reconstruction from East Elm to Highland Ave.	604210	$4,800,000.00
West Springfield	Westfield St. (Rte. 20)	Reconstruction: Second St. to Sibley Ave.	604737	$3,500,000.00
West Springfield	CT Riverwalk and Bikeway	Dike Segement	603730	$2,500,000.00
Westfeild	I-90 exit 3	Intersection and roadway improvements	604823	$1,200,000.00
Westfield	Western Avenue Highway Improvement	Reconstruct and improvements From Bates Rd to Court St, and Court until Mill Street	603449	$3,500,000.00
Westfield	Columbia Greenway Rail trail and River Walk Phase I (South)	Abandoned railroad (former NY New Haven) approx 3.84 miles	603783	$6,226,907.00
Westfield	Route 187 - Sherman's Mill Bridge reconstruction	Reconstruct Route 187 from 260ft north on Sherman Bridge to 800ft east of Pontoosic rd	604445	$6,926,210.00
Westfield	Route 20 Access Road	Design and Construct Route 20 Access Road	604601	$10,386,046.00
Westfield	Route 187 - Feeding Hills Road reconstruction	Reconstruct Route 187 from 800ft east of Pontoosic Rd to Agawam T.L.	604442	$4,658,420.00
Westfield	Route 187 - Little River Road reconstruction	Reconstruct Route 187 from 300 ft south of Rt 20 to 260 ft North of Sherman Bridge	604446	$5,431,580.00
Westfield	Columbia Greenway Rail trail and River Walk Phase II (Middle)	abandoned railroad (former NY New Haven) approx 4.16 miles	604967	$4,537,500.00
Westfield	Route 10/202 CBD traffic signal improvements	Elm Street and North Elm Street	603330	$3,000,000.00
Westhampton	Southampton Rd.	Reconstruction: Rte. 66 to Stage Rd	602386	$1,400,000.00
Westhampton	Chesterfield Rd.	Reconstruction: Northampton TL to Chesterfield TL	602387	$2,400,000.00
Westhampton	Kings Highway and Resevoir Rd	Reconstruction: Kings Highway from Perryhill Road to Resevoir Rd, and Resevoir Rd from Kings Highway to Pine Island Lake Damb	602822	$1,360,000.00
			Total Project Cost	**$258,787,280.93**

Appendix Z Continued

Earmarks Awaiting Additional Funding

Project Description	City/Town	Project ID	Funding	Fed. Funds	State Funds	Total Cost
Design and construct Rt. 20 access road	Westfield	604601	HPP-4287	$2,002,950	$500,738	$2,503,688
Route 32 Ware Road Reconstruction	Palmer	601504	HPP-4287	$2,303,744	$575,936	$2,879,680
Design and construction of Southwick and Westfield Rail Trail	Southwick/Westfield	602844; 604443; 603783	HPP-1656	$794,214	$198,554	$992,768
Spring and Elliot Street Improvments - Construction	Springfield		Sec. 125	$630,000	$0	$630,000
Construct Access roads to Hospital Hill	Northampton	604451	HPP-158	$302,865	$75,716	$378,581
State St. Corridor Redevelopment Project	Springfield	604447	HPP-217	$899,056	$224,764	$1,123,820
Design and construct 1.5 mile Red Stone Rail Trail	East Longmeadow	602338	HPP-578	$224,764	$56,191	$280,955
Intersection improvements Memorial Park II - Roosevelt Ave.	Springfield	604822	HPP-836	$149,843	$37,461	$187,304
Design north and southbound ramps on I-91 at Exit 19	Northampton	604597	HPP-847	$224,764	$56,191	$280,955
Pleasant Street (1998)	Holyoke	602925	HPP - 1024	$1,071,240	$267,810	$1,339,050
Upgrade Route 9 - Calvin Coolidge bridge (1998)	Hadley	124913	HPP - 862	$83,828	$20,957	$104,785
Great River Bridge, Design, Engineering, and ROW (1998)	Westfield	600933	HPP - 1432	$1,537,649	$384,412	$1,922,061
Total Project Cost				**$10,224,917**	**$2,398,729**	**$12,623,646**

Earmarks located in Appendix Z will remain un-oprogrammed until full project funding is available

Projects list in appendix Z are shown for informational purposes and are not programmed in the TIP. If additional funds become available projects from this list could be added if the selected project would be ready for advertisement in that program year.

VI. Transit Project Listing for FFY 2009-2012

The following is a complete listing of programmed transit projects for FFY 2010-2013

Tabl e 14

FY10

RTA	Project Description	Funding	Funding Sub-Category	Federal Cost	State/Local Cost	Total
PVTA	Replacement Transit Vehicles	5307	Rolling Stock	$ 2,423,200	$ 605,800	$ 3,029,000
PVTA	Lift equipped Vans	5307	Vans	$ 660,000	$ 165,000	$ 825,000
PVTA	Supervisory Vehicles	5307	Capital Purchase	$ 48,000	$ 12,000	$ 60,000
PVTA	Transit Enhancements	5307	Capital Purchase	$ 150,000	$ 37,500	$ 187,500
PVTA	Transit Security	5307	Capital Purchase	$ 150,000	$ 37,500	$ 187,500
PVTA	Hardware/Software	5307	Capital Purchase	$ 1,103,698	$ 275,924	$ 1,379,622
PVTA	AVL System Integrator	5307	Capital Purchase	$ 1,516,800	$ 379,200	$ 1,896,000
PVTA	Communications	5307	Capital Purchase	$ -	$ -	$ -
PVTA	Transit Facilities Improvement	5307	Facility Improvement	$ 376,062	$ 94,016	$ 470,078
PVTA	Environmental Compliance	5307	Facility Improvement	$ 52,000	$ 13,000	$ 65,000
PVTA	Small Tools and Equipment	5307	Maintenance Items	$ 142,400	$ 35,600	$ 178,000
PVTA	Preventive Maintenance 7/09 - 6/11	5307	Maintenance Items	$ 4,500,000	$ 1,125,000	$ 5,625,000
PVTA	Intermodal Terminal Lease	5307	Service Improvement	$ 180,000	$ 45,000	$ 225,000
PVTA	ADA Assistance 7/09-6/11	5307	Service Improvement	$ 1,500,000	$ 375,000	$ 1,875,000
PVTA	Planning	5307	Planning	$ 200,000	$ 50,000	$ 250,000
				$ 13,002,160	**$ 3,250,540**	**$ 16,252,700**
PVTA	State Contract Assistance	NFA	Operating Assistance	-	$ 17,808,476	$ 17,808,476
PVTA	Local Assessments	NFA	Operating Assistance	-	$ 6,401,179	$ 6,401,179
PVTA	E&H Special Transit Services	NFA	Operating Assistance	-	$ 7,828,000	$ 7,828,000
PVTA	Fixed Route Service	NFA	Operating Assistance	-	$ 27,655,500	$ 27,655,500
PVTA	Rural Transit E&H	5311	Operating Assistance			$ 127,000
PVTA	Lift Equipped Vans	5310	Vans	$ 200,000	$ 50,000	$ 250,000
PVTA	Lift Equipped minibuses	5310	Mini-buses	-	$ 300,000	$ 300,000
PVTA	Holyoke Multimodal Center (carryover)	5309	Intermodal Center	$ 742,520	$ 185,630	$ 928,150
PVTA	Union Station Redevelopment carryover	5309	Intermodal Center	$ 4,500,000	$ 1,125,000	$ 5,625,000
PVTA	Bus Purchase (29 New Buses)	ER	Economic Stimulus	$ 10,744,500		$ 10,744,500
PVTA	Lift Equipped Vans	ER	Economic Stimulus	$ 990,000		$ 990,000
PVTA	Transit Enhancements	ER	Economic Stimulus	$ 105,000		$ 105,000
PVTA	Transit Security	ER	Economic Stimulus	$ 740,000		$ 740,000
PVTA	Transit Facilities Improvements	ER	Economic Stimulus	$ 1,079,953		$ 1,079,953
PVTA	Small Tools & Equipment	ER	Economic Stimulus	$ 2,600,000		$ 2,600,000
PVTA	Holyoke Multimodal Center (carryover)	116	Intermodal Center	$ 1,732,500	$ 433,125	$ 2,165,625
PVTA	Westfield Multimodal Center (carryover)		Intermodal Center	$ 1,700,000	$ -	$ 1,700,000
PVTA	Rail Feasibility Study (carryover)	115	Planning	$ 750,000	$ -	$ 750,000
PVTA	Holyoke Multimodal Center (carryover)	EOTPW	Intermodal Center	$ -	$ 1,500,000	$ 1,500,000
	Holyoke Multimodal Center (carryover)	EOTPW	Intermodal Center	$ -	$ 750,000	$ 750,000
PVTA	Holyoke Multimodal Center (carryover)	115	Intermodal Center	$ 2,000,000	$ -	$ 2,000,000

Table 15

FY11

RTA	Project Description	Funding	Funding Sub-Category	Federal Cost	State/Local Co	Total
PVTA	Replacement Transit Vehicles	5307	Rolling Stock	$ 3,364,400	$ 841,100	$ 4,205,500
PVTA	Lift equipped Vans	5307	Vans	$ 660,000	$ 165,000	$ 825,000
PVTA	Supervisory Vehicles	5307	Capital Purchase	$ 120,000	$ 30,000	$ 150,000
PVTA	Transit Enhancements	5307	Capital Purchase	$ 164,000	$ 41,000	$ 205,000
PVTA	Transit Security	5307	Capital Purchase	$ 150,000	$ 37,500	$ 187,500
PVTA	Hardware/Software	5307	Capital Purchase	$ 717,070	$ 179,268	$ 896,338
PVTA	AVL System Integrator	5307	Capital Purchase	$ 655,880	$ 163,970	$ 819,850
PVTA	Communications	5307	Capital Purchase	$ -	$ -	$ -
PVTA	Transit Facilities Improvement	5307	Facility Improvement	$ 650,410	$ 162,602	$ 813,012
PVTA	Environmental Compliance	5307	Facility Improvement	$ 40,000	$ 10,000	$ 50,000
PVTA	Small Tools and Equipment	5307	Maintenance Items	$ 142,400	$ 35,600	$ 178,000
PVTA	Preventive Maintenance 7/09 - 6/11	5307	Maintenance Items	$ 4,500,000	$ 1,125,000	$ 5,625,000
PVTA	Intermodal Terminal Lease	5307	Service Improvement	$ 180,000	$ 45,000	$ 225,000
PVTA	ADA Assistance 7/09-6/11	5307	Service Improvement	$ 1,500,000	$ 375,000	$ 1,875,000
PVTA	Planning	5307	Planning	$ 200,000	$ 50,000	$ 250,000
				$ 13,044,160	$ 3,261,040	$ 16,305,200
PVTA	State Contract Assistance	NFA	Operating Assistance	-	$ 18,342,730	$ 18,342,730
PVTA	Local Assessments	NFA	Operating Assistance	-	$ 6,561,209	$ 6,561,209
PVTA	E&H Special Transit Services	NFA	Operating Assistance	-	$ 8,023,700	$ 8,023,700
PVTA	Fixed Route Service	NFA	Operating Assistance	-	$ 28,485,165	$ 28,485,165
PVTA	Rural Transit E&H	5311	Operating Assistance			$ 127,000
PVTA	Lift Equipped Vans	5310	Vans	$ 200,000	$ 50,000	$ 250,000
PVTA	Lift Equipped minibuses	5310	Mini-buses	-	$ 300,000	$ 300,000

Table 16

FY12

RTA	Project Description	Funding	Funding Sub-Category	Federal Cost	State/Local Cost	Total
PVTA	Replacement Transit Vehicles	5307	Rolling Stock	$ 2,126,800	$ 531,700	$ 2,658,500
PVTA	Lift equipped Vans	5307	Vans	$ 660,000	$ 165,000	$ 825,000
PVTA	Supervisory Vehicles	5307	Capital Purchase	$ 48,000	$ 12,000	$ 60,000
PVTA	Transit Enhancements	5307	Capital Purchase	$ 195,000	$ 48,750	$ 243,750
PVTA	Transit Security	5307	Capital Purchase	$ 160,000	$ 40,000	$ 200,000
PVTA	Hardware/Software	5307	Capital Purchase	$ 821,898	$ 205,474	$ 1,027,372
PVTA	AVL System Integrator	5307	Capital Purchase	$ 1,873,888	$ 468,472	$ 2,342,360
PVTA	Communications	5307	Capital Purchase	$ -	$ -	$ -
PVTA	Transit Facilities Improvement	5307	Facility Improvement	$ 593,174	$ 148,294	$ 741,468
PVTA	Environmental Compliance	5307	Facility Improvement	$ 20,000	$ 5,000	$ 25,000
PVTA	Small Tools and Equipment	5307	Maintenance Items	$ 142,400	$ 35,600	$ 178,000
PVTA	Preventive Maintenance 7/09 - 6/11	5307	Maintenance Items	$ 4,500,000	$ 1,125,000	$ 5,625,000
PVTA	Intermodal Terminal Lease	5307	Service Improvement	$ 180,000	$ 45,000	$ 225,000
PVTA	ADA Assistance 7/09-6/11	5307	Service Improvement	$ 1,500,000	$ 375,000	$ 1,875,000
PVTA	Planning	5307	Planning	$ 200,000	$ 50,000	$ 250,000
				$ 13,021,160	$ 3,255,290	$ 16,276,450
PVTA	State Contract Assistance	NFA	Operating Assistance	-	$ 18,893,012	$ 18,893,012
PVTA	Local Assessments	NFA	Operating Assistance	-	$ 6,725,239	$ 6,725,239
PVTA	E&H Special Transit Services	NFA	Operating Assistance	-	$ 8,224,293	$ 8,224,293
PVTA	Fixed Route Service	NFA	Operating Assistance	-	$ 29,339,720	$ 29,339,720
PVTA	Rural Transit E&H	5311	Operating Assistance			$ 127,000
PVTA	Lift Equipped Vans	5310	Vans	$ 200,000	$ 50,000	$ 250,000
PVTA	Lift Equipped minibuses	5310	Mini-buses	-	$ 300,000	$ 300,000

Table 17

FY13

RTA	Project Description	Funding	Funding Sub-Category	Federal Cost	State/Local Cost	Total
PVTA	Replacement Transit Vehicles	5307	Rolling Stock	$ 2,716,000	$ 679,000	$ 3,395,000
PVTA	Lift equipped Vans	5307	Vans	$ 660,000	$ 165,000	$ 825,000
PVTA	Supervisory Vehicles	5307	Capital Purchase	$ 48,000	$ 12,000	$ 60,000
PVTA	Transit Enhancements	5307	Capital Purchase	$ 240,000	$ 60,000	$ 300,000
PVTA	Transit Security	5307	Capital Purchase	$ 160,000	$ 40,000	$ 200,000
PVTA	Hardware/Software	5307	Capital Purchase	$ 813,706	$ 203,426	$ 1,017,132
PVTA	AVL System Integrator	5307	Capital Purchase	$ 1,759,782	$ 439,946	$ 2,199,728
PVTA	Communications	5307	Capital Purchase	$ 160,000	$ 40,000	$ 200,000
PVTA	Transit Facilities Improvement	5307	Facility Improvement	$ 64,672	$ 16,168	$ 80,840
PVTA	Environmental Compliance	5307	Facility Improvement	$ 20,000	$ 5,000	$ 25,000
PVTA	Small Tools and Equipment	5307	Maintenance Items	$ 240,000	$ 60,000	$ 300,000
PVTA	Preventive Maintenance 7/09 - 6/11	5307	Maintenance Items	$ 4,500,000	$ 1,125,000	$ 5,625,000
PVTA	Intermodal Terminal Lease	5307	Service Improvement	$ 180,000	$ 45,000	$ 225,000
PVTA	ADA Assistance 7/09-6/11	5307	Service Improvement	$ 1,500,000	$ 375,000	$ 1,875,000
PVTA	Planning	5307	Planning	$ 200,000	$ 50,000	$ 250,000
				$ 13,262,160	$ 3,315,540	$ 16,577,700
PVTA	State Contract Assistance	NFA	Operating Assistance	-	$ 19,459,803	$ 19,459,803
PVTA	Local Assessments	NFA	Operating Assistance	-	$ 6,893,370	$ 6,893,370
PVTA	E&H Special Transit Services	NFA	Operating Assistance	-	$ 8,429,900	$ 8,429,900
PVTA	Fixed Route Service	NFA	Operating Assistance	-	$ 30,219,912	$ 30,219,912
PVTA	Rural Transit E&H	5311	Operating Assistance			$ 127,000
PVTA	Lift Equipped Vans	5310	Vans	$ 200,000	$ 50,000	$ 250,000
PVTA	Lift Equipped minibuses	5310	Mini-buses	-	$ 300,000	$ 300,000

STATEWIDE FEDERAL AID PROJECT LISTING

The EOTPW provided each planning agency a listing of statewide items anticipated for FFYs 2010 to 2013. These items are to be funded separately from the regional TIP program. This information is provided in Tables 18, 19, and 20.

Table 18
FFY 2008 - 2011 STIP - Statewide Projects

5/23/2007

Federal Fiscal Year 2008	Funding	Federal Funds	Total Cost
Statewide Infrastructure Program (Incl. Noise Barriers)	STP-Flex	$8,800,000	$11,000,000
Statewide Safety Program	STP-Safety	$7,500,000	$9,375,000
Statewide Safe Routes to Schools Program	SRS	$1,300,000	$1,300,000
Statewide CMAQ	CMAQ	$10,000,000	$12,500,000
Statewide Transportation Enhancements	STP-Enh.	$400,000	$500,000
Statewide ITS	CMAQ	$5,000,000	$6,250,000
Statewide Design and Right of Way	STP-Flex	$2,400,000	$3,000,000
Statewide Interstate Maintenance Program	IM	$48,600,000	$54,000,000
Statewide NHS Preservation Program	NHS	$13,500,000	$15,000,000
Statewide Railroad Grade Crossings	STP-Safety	$400,000	$500,000
Statewide Bridge Inspection	BR- On/Off	$4,400,000	$5,500,000
Statewide Bridge Preservation Program	BR- On/Off	$8,000,000	$10,000,000
Total Statewide Infrastructure Items:		**$110,300,000**	**$128,925,000**

Federal Fiscal Year 2009	Funding	Federal Funds	Total Cost
Statewide Infrastructure Program (Incl. Noise Barriers)	STP-Flex	$9,400,000	$11,750,000
Statewide Safety Program	STP-Safety	$7,500,000	$9,375,000
Statewide Safe Routes to Schools Program	SRS	$1,300,000	$1,300,000
Statewide CMAQ	CMAQ	$10,000,000	$12,500,000
Statewide Transportation Enhancements	STP-Enh.	$400,000	$500,000
Statewide ITS	CMAQ	$5,000,000	$6,250,000
Statewide Design and Right of Way	STP-Flex	$2,400,000	$3,000,000
Statewide Interstate Maintenance Program	IM	$48,600,000	$54,000,000
Statewide NHS Preservation Program	NHS	$13,500,000	$15,000,000
Statewide Railroad Grade Crossings	STP-Safety	$400,000	$500,000
Statewide Bridge Inspection	BR- On/Off	$4,400,000	$5,500,000
Statewide Bridge Preservation Program	BR- On/Off	$8,000,000	$10,000,000
Total Statewide Infrastructure Items:		**$110,900,000**	**$129,675,000**

Federal Fiscal Year 2010	Funding	Federal Funds	Total Cost
Statewide Infrastructure Program (Incl. Noise Barriers)	STP-Flex	$6,400,000	$8,000,000
Statewide Safety Program	STP-Safety	$7,500,000	$9,375,000
Statewide Safe Routes to Schools Program	SRS	$1,300,000	$1,300,000
Statewide CMAQ	CMAQ	$5,000,000	$6,250,000
Statewide Transportation Enhancements	STP-Enh.	$400,000	$500,000
Statewide ITS	CMAQ	$5,000,000	$6,250,000
Statewide Design and Right of Way	STP-Flex	$2,400,000	$3,000,000
Statewide Interstate Maintenance Program	IM	$48,600,000	$54,000,000
Statewide NHS Preservation Program	NHS	$13,050,000	$14,500,000
Statewide Railroad Grade Crossings	STP-Safety	$400,000	$500,000
Statewide Bridge Inspection	BR- On/Off	$4,400,000	$5,500,000
Statewide Bridge Preservation Program	BR- On/Off	$8,000,000	$10,000,000
Total Statewide Infrastructure Items:		**$102,450,000**	**$119,175,000**

Federal Fiscal Year 2011	Funding	Federal Funds	Total Cost
Statewide Infrastructure Program (Incl. Noise Barriers)	STP-Flex	$6,400,000	$8,000,000
Statewide Safety Program	STP-Safety	$7,500,000	$9,375,000
Statewide Safe Routes to Schools Program	SRS	$1,300,000	$1,300,000
Statewide CMAQ	CMAQ	$5,000,000	$6,250,000
Statewide Transportation Enhancements	STP-Enh.	$400,000	$500,000
Statewide ITS	CMAQ	$5,000,000	$6,250,000
Statewide Design and Right of Way	STP-Flex	$2,400,000	$3,000,000
Statewide Interstate Maintenance Program	IM	$48,600,000	$54,000,000
Statewide NHS Preservation Program	NHS	$10,800,000	$12,000,000
Statewide Railroad Grade Crossings	STP-Safety	$400,000	$500,000
Statewide Bridge Inspection	BR- On/Off	$4,400,000	$5,500,000
Statewide Bridge Preservation Program	BR- On/Off	$8,000,000	$10,000,000
Total Statewide Infrastructure Items:		**$100,200,000**	**$116,675,000**

Table 19
MassHighway Interstate Maintenance Program

Year	Route	Location	Proj. File Numb.	Dist.	From	To	Lns Shld	Tot. Lane Miles	Prelim. Office Estimate	Est. Total Cost (est. +22%)	Revised Office Estimate	Revised Est. Total Cost	Revised Off. Est. / lane-mi
2009	I-91	Springfield - Chicopee	604604	2	6.3	8.5	10	22.0	7,700,000	9,394,000	9,300,421	11,531,850	422,746
	I-93	Stoneham - Woburn - Reading	604878	4	24.6	29.7	8	40.8	8,568,000	10,452,960	12,791,500	14,893,320	313,517
	I-95	Attleboro to Foxboro	604576	5	4.5	12.5	8	64.0	10,240,000	12,492,800	6,120,000	7,193,190	95,625
	I-195	Mattapoisett - Marion	604309	5	29.2	35.9	6	40.2	6,432,000	7,847,040	10,563,619	12,349,850	262,777
	I-495	Marlborough - Hudson - Berlin	604877	3	61.5	67.4	8	47.2	9,440,000	11,516,800	12,247,500	14,861,190	259,481
	I-495	Haverhill to Salisbury	604586	4	111.0	120.9	8	79.2	12,672,000	15,459,840	12,549,027	14,676,570	158,447
		Total 2009:						293.4	55,052,000	67,163,440	63,572,067	75,695,970	216,674
2010	I-91	Holyoke	604605	2	15.0	20.8	8	34.8	9,918,000	12,099,960		12,334,800	
	I-395	Auburn			9.8	11.8	8	12.0					
	I-290	Auburn Worcester			0.0	1.2	8	9.6					
	I-290	Worcester	n/a	3	2.8	4.0	8	9.6	7,857,600	9,586,272			
	I-93	Tewksbury Andover	605584	4	35.6	42.0	8	51.2	10,240,000	12,492,800			
	I-95	Waltham	604710	4	40.5	44.6	10	41.0	18,040,000	22,008,800			
	I-195	Fall River	604575	5	12.2	14.0	8	14.4	5,040,000	6,148,800			
	I-195	Westport - Dartmouth	604304	5	15.7	19.6	8	31.2	8,424,000	10,277,280			
		Total 2010:						241.2	59,519,600	72,613,912			
2011	I-91	West Springfield	605587	2	8.9	10.8	8	15.2	4,636,000	5,655,920			
	I-190	Worcester (NB)	605588	3	0.0	3.5	4	14.0	7,000,000	8,540,000			
	I-395	Oxford	605585	3	4.6	9.8	6	31.6	7,950,000	9,699,000			
	I-95	Canton	n/a	4	23.2	28.0	4	11.2	3,192,000	3,894,240			
	I-93	Boston - Somerville	n/a	4	18.5	19.8	8	10.4	7,800,000	9,516,000			
	I-95	Burlington	605589	4	51.4	53.4	8	16.0	8,000,000	9,760,000			
	I-95	Walpole Sharon Norwood Canton	605590	5	20.7	23.6	6	17.4	4,785,000	5,837,700			
	I-495	Bridgewater Raynham Taunton	n/a	5	18.3	25.0	8	53.6	13,936,000	17,001,920			
		Total 2011:						169.6	57,299,000	69,904,780			
2012	I-91	W. Springfield - Holyoke	605594	2	10.8	15.0	8	25.2	7,434,000	9,069,480			
	I-495	Westford	605596	3	83.1	85.1	8	16.0	3,520,000	4,294,400			
	I-495	Haverhill	605598	4	105.2	111.0	8	46.4	10,208,000	12,453,760			
	I-93	Woburn - Wilmington	604879	4	29.7	35.6	8	47.2	10,384,000	12,668,480			
	I-95	Foxboro - Sharon	605596	5	12.5	20.7	8	65.6	14,432,000	17,607,040			
	I-495	Taunton - Norton - Mansfield	605591	5	25.0	32.0	8	56.0	11,490,000	14,015,800			
		Total 2012:						177.8	57,458,000	70,098,760			
2013	I-91	Easthampton - Northampton	604614	2	20.8	26.9	8	36.6	9,150,000	11,163,000			
	I-84	Holland - Sturbridge	605592	2	0.0	7.5	8	45.0	10,350,000	12,627,000			
	I-95	Wakefield - Lynnfield	605597	4	58.6	60.9	10	43.0	9,460,000	11,541,200			
	I-95	Lexington - Burlington	n/a	4	44.7	51.4	10	67.0	12,060,000	14,713,200			
	I-195	New Bedford - Fairhaven	n/a	5	25.1	29.5	8	35.2	7,920,000	9,662,400			
	I-195	Seekonk - Rehoboth	n/a	5	0.0	4.3	8	34.4	7,740,000	9,442,800			
		Total 2013:							56,680,000	69,149,600			

MassHighway - Asset Management Division - Pavement Management Section 7/9/2009

Table 20

NHS Program Summary

Year	NHS Route	Location	Proj. Num	Dist	From	To	Lns+ Shld	Tot Lane Mi	Prelim Cost/ lane-mi	Prelim. Office Estimate	Prelim Est. Total Cost	Revised Office Estimate	Revised Est. Total Cost	Revised OffEst/ lane-mi	Ad Date	Contr.	Award Date	Contr.
2009	2	Arlington - Belmont - Camb.	605259	4	131.7	134.0	10	23.0	150,000	3,450,000	5,285,090	4,190,475	5,112,360	182,195	7-Mar-09			
	6	Pittsfield - Lanesborough	605211	1	44.4	47.6	4	12.8	100,000	1,280,000	1,561,600	1,280,000	1,561,600	100,000	6-Dec-08	57964	1-Apr-09	Warner
	2	Fitchburg - Westminster	604364	3	92.4	95.0	6	15.6	160,000	6,700,000	8,000,000	6,735,353	7,999,550		23-May-09			
NHS									136,667	11,430,000	14,846,690	12,205,828	14,673,530					
2010	33	Chicopee	605250	2	0.0	4.0	4	16.0	275,000	4,400,000	5,368,000							
	2	Leominster - Fitchburg	n/a	3	97.0	103.0	6	36.0	140,000	5,040,000	6,146,800							
	24	Fall River	605698	5	0.00	1.60	6	10.8	225,000	2,430,000	2,964,600							
								52.0	181,538	9,440,000	14,481,400							
2011	9	Cummington	n/a	1	17.0	26.0	4	36.0	110,000	3,960,000	4,831,200							
	2	Acton	n/a	3	114.0	119.8	6	34.8	110,000	3,828,000	4,670,160							
	28	Falmouth	605619	5	50.7	57.0	6	37.8	110,000	4,156,000	5,072,750							
NHS								108.6	110,000	11,946,000	14,574,120							
2012	24	Randolph	605627	4	39.0	40.0	8	8.0	160,000	1,280,000	1,561,600							
	3	Weymouth - Braintree	605622	4	35.0	38.0	8	16.0	165,000	2,640,000	3,220,800							
	28	Bourne	n/a	5	56.5	63.0	6	39.0	155,000	6,045,000	7,374,900							
NHS								24.0	160,000	9,965,000	12,157,300							
2013	20	Northborough - Marlboro	605610	3	122.0	126.5	4	18.0	135,000	2,430,000	2,964,600							
	6	Dennis - Orleans	n/a	5	78.5	92.8	3	36.9	135,000	4,981,500	6,077,430							
NHS								54.9	135,000	7,411,500	9,042,030							

PROJECT IMPLEMENTATION

The TIP is also used as a management tool for monitoring the progress and implementation of the RTP and previous TIP's. The award status of FFY 2007-2009 TIP projects are identified in the following table.

Table 20

Project Description	City/Town	Project ID	TIP Year	Project Status
Great River Bridge	Westfield	600933	2006	Under Construction
Bridge Replacement, S-18-007 Rt 47 over Bachelor Brook	South Hadley	603260	2007	Under Construction
Bridge deck resurfacing Brush hill Road over I-91	West Springfield	604503	2007	Under Construction
Lower Hampden Road	Monson	601502	2007	Under Construction
Route 202 Resurfacing	Belchertown/Pelham	602419	2007	Under Construction
Intersection & signal improvements Roosevelt Ave/Page Blvd	Springfield	604822	2007	Under Construction
Northampton - Hospital Hill/Earl Street	Northampton	604451	2007	Under Construction
Downtown Rail Trail connector	Northampton	602887	2007	Under Construction
Bridge Replacement C-11-024 Kinney Brook Rd over Middle Branch	Chester	602080	2007	Under Construction
Bridge rehab. Smith Rd over Main Branch (Westfield River)	Chester	600737	2007	Under Construction
Northampton - Hospital Hill/Earl Street	Northampton	604451	2007	Under Construction
Design and construction of Southwick Rail Trail Phase I	Southwick/Westfield	604443	2007	Under Construction
Route 20 resurfacing and related work	Brimfield	604992	2007	Under Construction
Intersection improvements Roosevelt Ave/Page Blvd. MIP II	Springfield	604822	2007	Under Construction
State Street corridor improvements	Springfield	604447	2007	Under Construction
I-91 Intelligent Transportation System (ITS)	Region (I-91)	603903	2008	Under Construction
Front Street Reconstruction	Chicopee	602111	2008	Under Construction
Northampton bike path (Look park extension)	Northampton	602885	2008	Under Construction
Bridge replacement Lyman St. over Second level canal	Holyoke	602536	2008	Under Construction
Longhill Street & Route 5 over I-91 -bridge preservation	Springfield	602570	2008	Under Construction
Route 5 (South End Bridge) over the railroad and river	Agawam/West Spfld.	604982	2008	Under Construction
Construct Holyoke Canalwalk and streetscape improve (Phase IA)	Holyoke	603262	2008	Under Construction
Route 10/202 resurfacing	Westfield	605134	2008	Under Construction
Maple Street over Westfield River - bridge preservation	Chester	602349	2008	Under Construction
Bridge replacement Old State highway over West Branch (Westfield River)	Chester	604021	2008	Under Construction
*Center Street (Route 116)	Chicopee	603996	2009	Awarded 3/31/09
Springfield Street Reconstruction	Palmer	602575	2009	Awarded 4/22/09
Route 20 Resurfacing	Chester/Huntington	602314	2009	Awarded 3/18/09
Rte. 9 & Bridge Rd. Roundabout	Northampton	603054	2009	Not Advertised
Red Stone Rail Trail	East Longmeadow	602338	2009	Awarded 5/19/09
Route 10 & 5/10 Resurfacing and related work (ER)	Easthampton, Greenfie	605541	2009	Awarded 5/12/09
***Jackson St. School (Safe Routes to School Infrastructure Program) (ER)	Northampton	**605634**	2009	Not Advertised
Route 9 Resurfacing and Related work on 2 sections of roadway (ER)	Belchertown, Ware	605540	2009	Awarded 5/12/09
Ware River Secondary track improvements (ER)	Palmer	FRE-101	2009	Not Advertised
Connecticut River Line improvements (IR)	Springfield to Northfield	FRE-105	2009	Application Process
Elm Street Reclamation and Related Work (ER)	Hatfield	604208	2009	Awarded 6/30/09
Red Bridge Road Bridge Reconstruction (Over NE Utilities Canal) (ER)	Wilbraham	602652	2009	Letting 7/14/09
Manhan Rail Trail Earle Street to Ferry Street (ER)	Northampton/Eastham	604207	2009	Letting 8/11/09
I-91 Pavement rehabilitation	**Chicopee/Springfield**	**604604**	2009	Not Advertised

(ER) Economic Recovery

(IR) Intercity Passenger Rail

CONFORMITY DETERMINATION

In accordance with Section 176 (c)(4) of the Clean Air Act as amended in 1990, the Pioneer Valley MPO has completed its review and hereby certifies that the FFY 2010-2013 Transportation Improvement Program has been developed from a conforming Transportation Plan and therefore conforms with 40 CFR parts 51 and 93 issued on November 23, 1993 and 310 CMR 60.03, issued on December 30, 1994.

The CAAA defines conformity to a SIP to mean conformity to the plan's purpose of eliminating or reducing the severity and number of violations of the NAAQS and achieving expeditious attainment of the standards. The Pioneer Valley MPO has certified that all activities outlined in the 2006 Regional Transportation Plan:

- Will not cause or contribute to any new violation of any standard in any area.
- Will not increase the frequency or severity of any existing violation of any standard in any area.
- Will not delay the timely attainment of any standard of any required interim emission reductions or other milestone in any area.

The analysis that was performed on the Pioneer Valley RTP includes all regionally significant transportation projects proposed to be completed within the timeframe of the RTP. All regionally significant projects included in the 2010-2013 TIP have been included in the analysis of the Pioneer Valley RTP; therefore, the TIP has been developed from the currently conforming RTP. The projects in the TIP are of the same design and concept that were analyzed in the RTP. Therefore, no new analysis was required for the TIP. All regionally significant RTP projects for 2010 through 2013 are programmed in the TIP (in other words, non-exempt RTP projects in the 2006 action scenario must be included in the TIP). Because projects in the TIP come from the conforming RTP, the same air quality analysis utilized for the RTP can be used for the TIP.

In addition, conformity to the SIP requires the RTP to be "financially constrained by year and include a financial plan that demonstrates which projects can be implemented using current revenue sources and which projects are to be implemented using proposed revenue sources (while the existing transportation system is being adequately operated and maintained)". The overall RTP is financially constrained to the annual federal apportionment and projections of state resources reasonably expected to be available during the appropriate time frame.

Included in this chapter are the tables taken from the conforming Addendum to the 2006 Regional Transportation Plan for the Pioneer Valley Region. Table 21 shows the non-exempt projects of the FFY 2010-2013 TIP. Table 1 in Appendix B shows the Volatile Organic Compound and Table 2 shows the Nitrogen Oxide emissions calculated for the Western Massachusetts Ozone Nonattainment Area. As shown in this table, the Pioneer Valley MPO in combination with the other MPOs/RPAs in the Western Nonattainment Area conforms to the requirements set forth in the Massachusetts SIP. Emissions calculated for the Springfield Carbon Monoxide Nonattainment Area are also included. Therefore, this TIP, in combination with the

TIPs from the other MPOs in the Western Massachusetts Nonattainment Area, is found to be in compliance.

Table 21
FFY 2010-2013 Non-Exempt Projects

Municipality	Project Description
Agawam/Springfield	South end bridge I-91 Improvements
Chicopee	Deady Memorial Bridge
Hadley	Widening of Route 9
Holyoke	Intermodal Center
Northampton	Damon Road Improvements
Springfield	Ramp Reversal
Westfield	Great River Bridge
Westfield	Intermodal Center

Timely Implementation of Transportation Control Measures

Transportation control measures (TCMs) have been required in the SIP in revisions submitted to EPA in 1979, 1982 and those submitted as mitigation for the construction of the Central Artery project. Those SIP TCMs included in the 1979 and 1982 submission for implementation in the Pioneer Valley Region have all been accomplished through construction or through implementation of ongoing programs. These projects have all been included past Pioneer Valley MPO Transportation Plans and TIPs.

DEP submitted to EPA their strategy of programs to show Reasonable Further Progress of a 15% reduction of VOCs in 1996 and the further 9% reduction of NOx toward attainment of the National Ambient Air Quality Standards (NAAQS) for ozone in 1999 and beyond. Within that strategy, there are no specific TCM projects. Traffic flow improvements to reduce congestion and, therefore, improve air quality are encouraged. Other transportation-related projects that have been included in the SIP control strategy are listed below:

- Enhanced Inspection and Maintenance Program
- California Low Emission Vehicle Program
- Reformulated Gasoline for On and Off-Road Vehicles
- Stage II Vapor Recovery at Gasoline Refueling Stations
- Tier I Federal Vehicle Standards

APPENDICES

APPENDIX A: EOT Targets

Summary of Proposed FFY 2010 - 2013 MPO Targets

DRAFT - July 1, 2009

	Current 2009	Current 2010	Proposed 2010	Current 2011	Proposed 2011	Current 2012	Proposed 2012	Proposed 2013
Base Obligation Authority	$515,000,000	$515,000,000	$532,000,000	$515,000,000	$532,000,000	$515,000,000	$532,000,000	$532,000,000
Special Bridge Program O/A, as Estimated by FHWA	$0		$0					
Redistribution, as Estimated by FHWA	$53,000,000	$53,000,000	$37,000,000	$53,000,000	$37,000,000	$53,000,000	$37,000,000	$37,000,000
Total Estimated Obligation Authority Available.	**$568,000,000**	**$568,000,000**	**$569,000,000**	**$568,000,000**	**$569,000,000**	**$568,000,000**	**$569,000,000**	**$569,000,000**
Central Artery/Tunnel Obligation Authority	-$126,845,000	-$151,290,000	-$151,290,000	-$159,365,000	-$159,365,000	-$165,960,000	-$165,960,000	-$176,555,000
Total Non-Earmarked O/A Available Statewide	**$441,155,000**	**$416,710,000**	**$417,710,000**	**$408,635,000**	**$409,635,000**	**$402,040,000**	**$403,040,000**	**$392,445,000**
Total Non-Earmarked Available Statewide (Including State Match)	**$541,743,750**	**$511,187,501**	**$511,923,611**	**$501,093,751**	**$502,106,250**	**$492,850,000**	**$493,862,500**	**$480,306,250**
Statewide Infrastructure Items:								
Statewide Infrastructure Program (Includes Noise Barriers)	$11,750,000	$8,000,000	$1,500,000	$9,000,000	$1,500,000	$8,000,000	$1,500,000	$6,000,000
Statewide Safety Program	$9,375,000	$4,375,000	$4,000,000	$4,375,000	$0	$3,125,000	$0	$0
Statewide HSIP Program		$5,000,000	$2,500,000	$5,000,000	$2,500,000	$5,000,000	$2,500,000	$5,000,000
Statewide Safe Routes to Schools Program	$1,300,000	$1,300,000	$1,300,000	$1,300,000	$3,500,000	$1,300,000	$3,500,000	$3,500,000
Statewide CMAQ	$12,500,000	$6,250,000	$6,250,000	$6,250,000	$12,500,000	$6,250,000	$12,500,000	$6,250,000
Statewide Transportation Enhancements	$500,000	$500,000	$500,000	$500,000	$500,000	$500,000	$500,000	$500,000
Statewide Recreational Trails	$783,000	$783,000	$783,000	$783,000	$783,000	$783,000	$783,000	$783,000
Statewide ITS Includes Rte I-91 in 2010 & 2011	$10,250,000	$9,250,000	$12,687,500	$9,250,000	$11,625,000	$6,250,000	$6,375,000	$6,250,000
Statewide Design and Right of Way	$3,000,000	$3,000,000	$0	$3,000,000	$0	$3,000,000	$0	$3,000,000
Statewide Interstate Maintenance Program	$75,000,000	$75,000,000	$72,611,111	$75,000,000	$70,000,000	$75,000,000	$70,000,000	$70,000,000
Statewide NHS Preservation Program	$15,000,000	$14,500,000	$14,500,000	$14,500,000	$14,500,000	$12,000,000	$12,000,000	$9,178,750
Statewide Railroad Grade Crossings	$1,000,000	$500,000	$500,000	$500,000	$500,000	$500,000	$500,000	$500,000
Statewide Transit			$37,500,000		$31,250,000		$25,000,000	$0
Subtotal Statewide Infrastructure Items	**$140,458,000**	**$128,458,000**	**$154,631,611**	**$129,458,000**	**$117,908,000**	**$121,708,000**	**$135,158,000**	**$110,961,750**
Other Statewide Items:								
Award Adjustments, Change Orders, Project Value Changes, Etc.	$50,000,000	$43,750,000	$43,750,000	$45,000,000	$43,750,000	$45,000,000	$43,750,000	$45,000,000
Planning	$18,750,000	$18,750,000	$23,000,000	$18,750,000	$23,000,000	$18,750,000	$23,000,000	$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	$750,000	$750,000	$0	$750,000	$0	$750,000	$0	$0
Subtotal Other Statewide Items	**$69,500,000**	**$63,250,000**	**$66,750,000**	**$64,500,000**	**$66,750,000**	**$64,500,000**	**$66,750,000**	**$68,000,000**
Regional Major Infrastructure Projects	**53,000,000**	**45,000,000**	**$41,000,000**	**$40,000,000**	**$40,000,000**	**$40,000,000**	**$40,000,000**	**$40,000,000**
Bridge Program:								
Statewide Bridge Repl. / Rehab Program	$121,483,328	$121,483,328	$111,545,828	$121,483,328	$113,045,828	$121,483,327	116,795,828	121,483,328
Statewide Bridge Preservation Program	$0	$0	$0	$0	$0	$0	0	0
Statewide Bridge Inspection Program	$5,500,000	$6,250,000	$6,250,000	$6,250,000	$6,250,000	$6,250,000	6,250,000	6,250,000
Subtotal Federal Aid Bridge Program:	**$126,983,328**	**$127,733,328**	**$117,795,828**	**$127,733,328**	**$119,295,828**	**$127,733,327**	123,045,828	127,733,328
Regional Targets								
Minimum Regional CMAQ Component	$20,000,000	$20,000,000	$0	$20,000,000	$0	$20,000,000	10,000,000	20,000,000
Minimum Regional HSIP Component	$10,000,000	$10,000,000	$10,000,000	$10,000,000	$10,000,000	$10,000,000	10,000,000	10,000,000
Maximum Regional Non-CMAQ / HSIP Component	$121,802,423	$116,746,173	$121,746,173	$109,402,423	$116,902,423	$108,908,673	108,908,673	103,611,173
Total Regional Target (Un-Adjusted)	$151,802,423	$146,746,173	$131,746,173	$139,402,423	$126,902,423	$138,908,673	128,908,673	133,611,173
					4%		8.16%	12.48%
	Adjusted Target	$140,876,326	$131,746,173	128,027,185	121,826,326	121,572,871	118,389,725	116,936,498
	Adjusted Hold Harmless		$146,746,173		133,826,326		127,573,725	

TITLE 23 - TRANSPORTATION FUNDING

Statewide Highway-Funded Program

FEDERAL FISCAL YEAR 2010
FEDERAL REGIONAL TARGETS
D R A F T - July 1, 2009

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.	
Base Obligation Authority	$532,000,000			
Redistribution, as Estimated by FHWA	$37,000,000			
Total Estimated Obligation Authority Available:	$569,000,000			
Central Artery/Tunnel Obligation Authority	(151,290,000)			
Total Non-Earmarked Available Statewide - (Including Redistribution)	417,710,000	94,213,611	511,923,611	net increase $1 million
Statewide Infrastructure Items:				
Statewide Infrastructure Program	$1,200,000	$300,000	$1,500,000	
Statewide STP - Safety Program	3,600,000	$400,000	$4,000,000	
Statewide HSIP Program	2,250,000	$250,000	$2,500,000	
Statewide Safe Routes to Schools Program	1,300,000	$0	$1,300,000	
Statewide CMAQ	5,000,000	$1,250,000	$6,250,000	ACC funds not needed in 2010
Statewide Transportation Enhancements	400,000	$100,000	$500,000	
Statewide Recreational Trails	626,400	$156,600	$783,000	
Statewide ITS (Incl. Rte I-91 A/C $4.6 M)	10,150,000	$2,537,500	$12,687,500	
Statewide Design and Right of Way	0	$0	$0	
Statewide Interstate Maintenance Program	65,350,000	$7,261,111	$72,611,111	
Statewide NHS Preservation Program	11,600,000	$2,900,000	$14,500,000	
Statewide Railroad Grade Crossings	400,000	$100,000	$500,000	
Statewide Transit	30,000,000	$7,500,000	$37,500,000	
Subtotal Statewide Infrastructure Items:	$131,876,400	$22,755,211	$154,631,611	
Other Statewide Items:				
Award Adjustments, Change Orders, Project Value Changes, Etc.	$35,000,000	$8,750,000	$43,750,000	
Planning	18,400,000	$4,600,000	$23,000,000	
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	$0	$0	
Subtotal Other Statewide Items:	$53,400,000	$13,350,000	$66,750,000	
Regional Major Infrastructure Projects	$32,800,000	$8,200,000	$41,000,000	
Bridge Program:				
Statewide Bridge Repl. / Rehab Program	$89,236,662	$22,309,166	$111,545,828	
Statewide Bridge Preservation Program	0	$0	$0	
Statewide Bridge Inspection Program	5,000,000	$1,250,000	$6,250,000	
Subtotal Federal Aid Bridge Program:	$94,236,662	$23,559,166	$117,795,828	
Total Regional Targets	$105,396,938	$26,349,235	$131,746,173	
Minimum Regional MAP 21 Component	$0	$0	$0	
Minimum Regional HSIP Component	[illegible]	[illegible]	[illegible]	

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match
Berkshire Region	3.5596	$355,964	$0	$4,689,695
Boston Region	42.9671	$4,296,710	$0	$56,607,514
Cape Cod	4.5851	$458,514	$0	$6,040,748
Central Mass	8.6901	$869,013	$0	$11,448,915
Franklin Region	2.5397	$253,975	$0	$3,346,018
Martha's Vineyard	0.3100	$30,997	$0	$408,372
Merrimack Valley	4.4296	$442,956	$0	$5,835,772
Montachusett	4.4596	$445,955	$0	$5,875,292
Nantucket	0.2200	$21,998	$0	$289,813
Northern Middlesex	3.9096	$390,961	$0	$5,150,760
Old Colony	4.5595	$455,954	$0	$6,007,025
Pioneer Valley	10.8099	$1,080,992	$0	$14,241,655
Southeastern Mass	8.9601	$896,010	$0	$11,804,594
Total:	100.00	$10,000,000	$0	$131,746,173

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

Hold Harmless Amount	146,746,173

TITLE 23 - TRANSPORTATION FUNDING

Statewide Highway-Funded Program

FEDERAL FISCAL YEAR 2011
FEDERAL REGIONAL TARGETS
D R A F T - July 1, 2009

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.	
Base Obligation Authority	$532,000,000			
Redistribution, as Estimated by FHWA	$37,000,000			
Total Estimated Obligation Authority Available:	$569,000,000			
Central Artery/Tunnel Obligation Authority	(159,365,000)			
Total Non-Earmarked Available Statewide - (Including Redistribution)	409,635,000	92,471,250	502,106,250	
Statewide Infrastructure Items:				
Statewide Infrastructure Program	$1,200,000	$300,000	$1,500,000	
Statewide STP - Safety Program	0	$0	$0	
Statewide HSIP Program	2,250,000	$250,000	$2,500,000	
Statewide Safe Routes to Schools Program	3,500,000	$0	$3,500,000	
Statewide CMAQ	10,000,000	$2,500,000	$12,500,000	increase by $6.25 for ACO
Statewide Transportation Enhancements	400,000	$100,000	$500,000	
Statewide Recreational Trails	628,400	$156,600	$783,000	
Statewide ITS (incl. Rte I-91 A/C $4.7M)	9,300,000	$2,325,000	$11,625,000	
Statewide Design and Right of Way	0	$0	$0	
Statewide Interstate Maintenance Program	63,000,000	$7,000,000	$70,000,000	
Statewide NHS Preservation Program	11,600,000	$2,900,000	$14,500,000	
Statewide Railroad Grade Crossings	400,000	$100,000	$500,000	
Statewide Transit	25,000,000	$6,250,000	$31,250,000	
Subtotal Statewide Infrastructure Items	$127,276,400	$21,881,600	$149,158,000	
Other Statewide Items				
Award Adjustments, Change Orders, Project Value Changes, Etc	$35,000,000	$8,750,000	$43,750,000	
Planning	18,400,000	$4,600,000	$23,000,000	
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	$0	$0	
Subtotal Other Statewide Items:	$53,400,000	$13,350,000	$66,750,000	
Regional Major Infrastructure Projects:	$32,000,000	$8,000,000	$40,000,000	
Bridge Program:				Total Adjusted Target:
Statewide Bridge Rept. / Rehab Program	$90,436,662	$22,609,166	$113,045,828	**119,485,488**
Statewide Bridge Preservation Program	0	$0	$0	
Statewide Bridge Inspection Program	5,000,000	$1,250,000	$6,250,000	
Subtotal Federal Aid Bridge Program	$95,436,662	$23,859,166	$119,295,828	
				-4.0000%
				Adjusted Target
Total Regional Targets:	$101,521,938	$25,380,485	$126,902,423	**121,826,326**
Minimum Regional CMAQ [illegible]	[illegible]	$0	$0	
Minimum Regional HSIP [illegible]	$8,000,000	$2,000,000	$10,000,000	

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	Adjusted Total Regional Target With State Match
Berkshire Region	3.5596	$355,964	$0	$4,517,274	$4,336,583
Boston Region	42.9671	$4,296,710	$0	$54,526,295	$52,345,243
Cape Cod	4.5851	$458,514	$0	$5,818,656	$5,585,909
Central Mass	8.6901	$869,013	$0	$11,027,987	$10,586,867
Franklin Region	2.5397	$253,975	$0	$3,222,999	$3,094,079
Martha's Vineyard	0.3100	$30,997	$0	$393,358	$377,624
Merrimack Valley	4.4296	$442,956	$0	$5,621,215	$5,396,367
Montachusett	4.4596	$445,955	$0	$5,659,282	$5,432,911
Nantucket	0.2200	$21,998	$0	$279,157	$267,991
Northern Middlesex	3.9096	$390,961	$0	$4,961,389	$4,762,933
Old Colony	4.5595	$455,954	$0	$5,786,172	$5,554,725
Pioneer Valley	10.8099	$1,080,992	$0	$13,718,049	$13,169,327
Southeastern Mass	8.9601	$896,010	$0	$11,370,589	$10,915,765
Total:	100.00	$10,000,000	$0	$126,902,423	$121,826,326

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

Adjusted Hold Harmless Amount:	133,826,326

Office of Transportation Planning 2011

TITLE 23 - TRANSPORTATION FUNDING

Statewide Highway-Funded Program

FEDERAL FISCAL YEAR 2012
FEDERAL REGIONAL TARGETS
D R A F T - July 1, 2009

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	$532,000,000		
Redistribution, as Estimated by FHWA	$37,000,000		
Total Estimated Obligation Authority Available:	$569,000,000		
Central Artery/Tunnel Obligation Authority	(165,960,000)		
Total Non-Earmarked Available Statewide - (Including Redistribution)	403,040,000	90,822,500	493,862,500
Statewide Infrastructure Items:			
Statewide Infrastructure Program	$1,200,000	$300,000	$1,500,000
Statewide STP - Safety Program	0	$0	$0
Statewide HSIP Program	2,250,000	$250,000	$2,500,000
Statewide Safe Routes to Schools Program	3,500,000	$0	$3,500,000
Statewide CMAQ	10,000,000	$2,500,000	$12,500,000
Statewide Transportation Enhancements	400,000	$100,000	$500,000
Statewide Recreational Trails	626,400	$156,600	$783,000
Statewide ITS	5,100,000	$1,275,000	$6,375,000
Statewide Design and Right of Way	0	$0	$0
Statewide Interstate Maintenance Program	63,000,000	$7,000,000	$70,000,000
Statewide NHS Preservation Program	9,600,000	$2,400,000	$12,000,000
Statewide Railroad Grade Crossings	400,000	$100,000	$500,000
Statewide Transit	20,000,000	$5,000,000	$25,000,000
Subtotal Statewide Infrastructure Items	$116,076,400	$19,081,600	$135,158,000
Other Statewide Items:			
Award Adjustments, Change Orders, Project Value Changes, Etc.	$35,000,000	$9,750,000	$43,750,000
Planning	18,400,000	$4,600,000	$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	$0	$0
Subtotal Other Statewide Items:	$53,400,000	$13,350,000	$66,750,000
Regional Major Infrastructure Projects	$32,000,000	$8,000,000	$40,000,000
Bridge Program:			Total Adjusted Target
Statewide Bridge Repl. / Rehab Program	$93,436,662	$23,359,166	$116,795,828	**118,114,081**
Statewide Bridge Preservation Program	0	$0	$0
Statewide Bridge Inspection Program	5,000,000	$1,250,000	$6,250,000
Subtotal Federal Aid Bridge Program	$98,436,662	$24,609,166	$123,045,828
			Adjusted Target
Total Regional Targets:	$103,126,938	$25,781,735	$128,908,673	**118,389,725**
Minimum Regional MAx [illegible]	[illegible]	[illegible]	[illegible]
Minimum Regional HSIP [illegible]	[illegible]	[illegible]	[illegible]

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	Adjusted Total Regional Target With State Match
Berkshire Region	3.5596	$355,964	$355,964	$4,588,690	$4,214,253
Boston Region	42.9671	$4,296,710	$4,296,710	$55,388,323	$50,868,636
Cape Cod	4.5851	$458,514	$458,514	$5,910,645	$5,428,336
Central Mass	8.6901	$869,013	$869,013	$11,202,333	$10,288,222
Franklin Region	2.5397	$253,975	$253,975	$3,273,953	$3,006,798
Martha's Vineyard	0.3100	$30,997	$30,997	$399,577	$366,971
Merrimack Valley	4.4296	$442,956	$442,956	$5,710,083	$5,244,140
Montachusett	4.4596	$445,955	$445,955	$5,748,752	$5,279,654
Nantucket	0.2200	$21,998	$21,998	$283,571	$260,431
Northern Middlesex	3.9096	$390,961	$390,961	$5,039,825	$4,628,575
Old Colony	4.5595	$455,954	$455,954	$5,877,648	$5,398,032
Pioneer Valley	10.8099	$1,080,992	$1,080,992	$13,934,923	$12,797,633
Southeastern Mass	8.9601	$896,010	$896,010	$11,550,351	$10,607,842
Total:	100.00	$10,000,000	$10,000,000	$128,908,673	$118,389,725

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

Adjusted Hold Harmless Amount	127,573,725

Office of Transportation Planning 2012

TITLE 23 - TRANSPORTATION FUNDING

Statewide Highway-Funded Program

FEDERAL FISCAL YEAR 2013
FEDERAL REGIONAL TARGETS
D R A F T - July 1, 2009

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	$532,000,000		
Redistribution, as Estimated by FHWA	$37,000,000		
Total Estimated Obligation Authority Available:	$569,000,000		
Central Artery/Tunnel Obligation Authority	(176,555,000)		
Total Non-Earmarked Available Statewide - (Including Redistribution)	392,445,000	87,861,250	480,306,250
Statewide Infrastructure Items:			
Statewide Infrastructure Program	$4,800,000	$1,200,000	$6,000,000
Statewide STP - Safety Program	0	$0	$0
Statewide HSIP Program	4,500,000	$500,000	$5,000,000
Statewide Safe Routes to Schools Program	3,500,000	$0	$3,500,000
Statewide CMAQ	5,000,000	$1,250,000	$6,250,000
Statewide Transportation Enhancements	400,000	$100,000	$500,000
Statewide Recreational Trails	626,400	$156,600	$783,000
Statewide ITS	5,000,000	$1,250,000	$6,250,000
Statewide Design and Right of Way	2,400,000	$600,000	$3,000,000
Statewide Interstate Maintenance Program	63,000,000	$7,000,000	$70,000,000
Statewide NHS Preservation Program	7,243,000	$1,935,750	$9,178,750
Statewide Railroad Grade Crossings	400,000	$100,000	$500,000
Statewide Transit			
Subtotal Statewide Infrastructure Items:	$96,969,400	$13,992,350	$110,961,750
Other Statewide Items:			
Award Adjustments, Change Orders, Project Value Changes, Etc.	$36,000,000	$9,000,000	$45,000,000
Planning	18,400,000	$4,600,000	$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	$0	$0
Subtotal Other Statewide Items:	$54,400,000	$13,600,000	$68,000,000
Regional Major Infrastructure Projects:	$32,000,000	$8,000,000	$40,000,000
Bridge Program:			
Statewide Bridge Repl. / Rehab Program	$97,186,662	$24,296,666	$121,483,328
Statewide Bridge Preservation Program	0	$0	$0
Statewide Bridge Inspection Program	5,000,000	$1,250,000	$6,250,000
Subtotal Federal Aid Bridge Program	$102,186,662	$25,546,666	$127,733,328
Total Regional Targets	$106,888,938	$26,722,235	$133,611,173
Minimum Regional CMAQ Component	[illegible]	$4,000,000	$20,000,000
Minimum Regional HSIP Component	[illegible]	$2,000,000	$10,000,000

Total Adjusted Target
118,114,081

-12.4864%

Adjusted Target
116,927,947

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	Adjusted Total Regional Target With State Match
Berkshire Region	3.5596	$355,964	$711,929	$4,756,082	$4,162,219
Boston Region	42.9671	$4,296,710	$8,593,421	$57,408,851	$50,240,552
Cape Cod	4.5851	$458,514	$917,028	$6,126,261	$5,361,312
Central Mass	8.6901	$869,013	$1,738,026	$11,610,986	$10,161,192
Franklin Region	2.5397	$253,975	$507,949	$3,393,384	$2,969,673
Martha's Vineyard	0.3100	$30,997	$61,994	$414,153	$362,440
Merrimack Valley	4.4296	$442,966	$885,911	$5,918,383	$5,179,390
Montachusett	4.4596	$445,955	$891,911	$5,958,462	$5,214,465
Nantucket	0.2200	$21,998	$43,996	$293,915	$257,216
Northern Middlesex	3.9096	$390,961	$781,922	$5,223,674	$4,571,426
Old Colony	4.5595	$455,954	$911,909	$6,092,060	$5,331,381
Pioneer Valley	10.8099	$1,080,992	$2,161,984	$14,443,260	$12,639,816
Southeastern Mass	8.9601	$896,010	$1,792,021	$11,971,700	$10,476,866
Total	100.00	$10,000,000	$20,000,000	$133,611,173	$116,927,947

Note 1 Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

Office of Transportation Planning 2013

APPENDIX B: Air Quality Conformity Status

Air Quality Conformity Determination

Pioneer Valley (MPO)

FFY 2010-2013 Transportation Improvement Program

Background

The Commonwealth of Massachusetts is classified as serious nonattainment for ozone, and is divided into two nonattainment areas. The Eastern Massachusetts ozone nonattainment area includes Barnstable, Bristol, Dukes, Essex, Middlesex, Nantucket, Norfolk, Suffolk, and Worcester counties. Berkshire, Franklin, Hampden, and Hampshire counties comprise the Western Massachusetts ozone nonattainment area. With these classifications, the 1990 Clean Air Act Amendments (CAAA) required the Commonwealth to reduce its emissions of volatile organic compounds (VOCs) and nitrogen oxides (NOx), the two major precursors to ozone formation to achieve attainment of the ozone standard. In April 2002, the City of Springfield was re-designated to attainment for carbon monoxide with an EPA-approved limited maintenance plan (see the 2007 Transportation Plan for more details).

The CAAA also required Metropolitan Planning Organizations (MPOs) within nonattainment areas to perform conformity determinations prior to the approval of their Regional Transportation Plans (RTPs) and Transportation Improvement Programs (TIPs). The most recent prior conformity determination occurred in the summer of 2007, when the Federal Highway Administration (FHWA) – in consultation with the Environmental Protection Agency (EPA New England) and the Massachusetts Department of Environmental Protection (DEP) – confirmed that all 13 of the RTPs for the year 2007 in Massachusetts were in conformity with the Massachusetts State Implementation Plan (SIP). A brief summary of major conformity milestones in recent years is as follows (more details are provided in the 2007 RTPs and related documents):

Between 2003 and 2006, several new conformity determinations were made that were triggered by various events, including: The 2003 regional transportation plans, a change in designation from the one-hour ozone standard to an eight-hour ozone standard, and various changes to regional TIPs that involved reprogramming transportation projects across analysis years.

In 2007, air quality analyses were conducted on behalf of all the 2007 Regional Transportation Plans (RTPs), the purposes of which were to evaluate the RTPs' air quality impacts on the SIP. Conformity determinations were performed to ensure that all regionally significant projects were included in the RTPs. The Massachusetts Executive Office of Transportation found the emission levels from the 2007 Regional Transportation Plans to be in conformance with the SIP. Each MPO had certified (and continues to certify) that all activities outlined in its Plan and its TIP:

- will not cause or contribute to any new violation of any standard in any area;
- will not increase the frequency or severity of any existing violation of any standard in any area; and,
- will not delay the timely attainment of any standard or any required interim emission reductions or other milestones in any area.

On April 2, 2008, EPA found that the 2008 and 2009 motor vehicle emissions budgets in the January 31, 2008 Massachusetts 8-hour ozone State Implementation Plan revision were adequate for transportation conformity purposes. The submittal included 2008 and 2009 motor vehicle emission budgets for the Boston-Lawrence-Worcester (Eastern Massachusetts) and Springfield (Western Massachusetts) 8-hour ozone nonattainment areas. Massachusetts submitted these budgets as part of the 8-hour ozone attainment demonstration and reasonable further progress plan for both nonattainment areas, and as a result of EPA's adequacy finding, these budgets are required to be used for this and future conformity determinations.

Conformity Test

The conformity test is to show consistency with the emissions budgets set forth in the SIP, and to contribute to reductions in CO nonattainment areas. In addition, the format of the conformity test is determined by evolving regulations. These regulations set specific requirements for different time periods depending on the timeframe of the Commonwealth's SIP submittals to EPA. These periods are defined as follows:

Control Strategy Period: Once a control strategy SIP has been submitted to EPA, EPA has to make a positive adequacy determination of the mobile source emission budget before such budget can be used for conformity purposes. The conformity test in this period is consistency with the mobile source emission budget.

Maintenance Period is the period of time beginning when the Commonwealth submits and EPA approves a request for redesignation to an attainment area, and lasting for 20 years. The conformity test in this period is consistency with the mobile source emission budget.

Horizon years for regional and state model analyses have been established following 40 CFR 93.106(a) of the Federal Conformity Regulations. The years for which the regional and state transportation models were run for emission estimates are shown below:

- 2000: Milestone Year – This year is currently being used by the statewide travel demand model as the new base year for calculation of emission reductions of VOCs and NOx.
- 2010: Analysis Year – first year of TIP

- 2020: Analysis Year
- 2030: Horizon Year – last forecast year of regional transportation plans

Changes in Project Design since the Last Conformity Determination Analysis

The milestone and analysis year transportation model networks are composed of projects proposed in the approved TIPs and 2007 RTP. Projects in these networks consist of all in-place "regionally significant" projects plus all such projects where at least one of the following steps has occurred within the past three years:

- Comes from the first year of a previously conforming TIP,
- Completed the NEPA process, or
- Currently under construction or are undergoing right-of-way acquisition

A complete listing of future regionally significant projects for the Pioneer Valley MPO can be found (reference RTP), and is provided below:

Analysis Year	Community	Project Description
2009	Chester	Maple Street bridge restoration as a one-way bridge.
2009	Westfield	Route 10/202 Great River Bridge - two bridges acting as one-way pairs.
2020	Holyoke	Improvements to Commercial Street corridor.
2020	Chicopee	Memorial Drive signal coordination.
2020	Hadley	Route 9 signal coordination.
2020	Westfield	Route 20 signal coordination.
2020	Holyoke, W.Springfield	Route 5 signal coordination.
2020	Chicopee	Traffic coordination and improvements along Broadway.
2020	Springfield	New slip ramp from I-291 to East Columbus Avenue.
2020	Northampton	Road widening on Damon Road from Rte 9 to King St.
2020	E. Longmeadow	Improvements to the East Longmeadow Rotary.
2020	Northampton	Improvements to I-91 Exit 19 to construct a full interchange.
2020	West Springfield	Improve the Union Street Railroad Underpass. Construct a truck bypass road.
2020	Agawam	Route 57 Fly-over Ramp.
2030	Agawam, Longmeadow, Springfield	Improve the South End Bridge, pedestrian connections to Agawam/Springfield Riverwalks, fix existing lane reduction problem on I-91 between Exits 1-3.
2030	Agawam	Improvement to Route 5 access ramps for truck routing.
2020	Agawam	Route 57 Phase II new limited access highway from Route 187 to Southwick Line.
2030	Chicopee, Holyoke	Route 116 Bridge Improvements (possible widening).
2030	Ludlow, Springfield	Route 21 bridge reconstruction (possible to be widened as well).

The Commonwealth requires that any changes in project design from the previous conformity determination for the region be identified. The last conformity determination was performed on the 2007 Regional Transportation Plan.

Air Quality Conformity Analysis

Specific information regarding the analysis and modeling methods, latest planning assumptions, and consultation procedures are all detailed in the 2007 RTP (and appendices). The emissions from the following MPOs have been combined to show conformity with the SIP for the Western Massachusetts Nonattainment Area:

- Berkshire Region MPO
- Franklin Regional Council of Governments*
- Pioneer Valley MPO

* This region does not contain any official urbanized areas, but is considered to be an MPO for planning purposes.

Using the latest planning assumptions, the Executive Office of Transportation, Office of Transportation Planning, estimated the emissions for VOC and NOx for all areas and all MPOs through a combination of the statewide and selected regional travel demand models (and with assistance from MPO staff). The VOC mobile source emission budget for 2009 for the Western Massachusetts Nonattainment Area has been set at 10.734 tons per summer day and the 2009 mobile source budget for NOx is 27.734 tons per summer day. As shown in Tables 1 and 2, the results of the air quality analysis demonstrate that the VOC and NOx emissions from all Action scenarios are less than the VOC and NOx emissions budgets for the Western Massachusetts Nonattainment Area:

TABLE 1

VOC Emissions Estimates for the Western Massachusetts Ozone Nonattainment Area

(all emissions in tons per summer day)

Year	(Pioneer Valley) Action Emissions	Western MA Action Emissions	Budget	Difference (Action – Budget)
2000	n/a	31.845	n/a	n/a
2010	-0.020	10.288	10.734	-0.446
2020	-0.016	5.600	10.734	-5.134
2030	-0.017	5.207	10.734	-5.527

TABLE 2
NOx Emissions Estimates for the Western Massachusetts Ozone Nonattainment Area
(all emissions in tons per summer day)

Year	(Pioneer Valley Action Emissions	Western MA Action Emissions	Budget	Difference (Action – Budget)
2000	n/a	59.139	n/a	n/a
2010	-0.044	26.493	27.734	-1.241
2020	-0.018	7.187	27.734	-20.547
2030	-0.014	4.707	27.734	-23.027

This conformity determination analysis has been prepared in accordance with EPA's final conformity regulations. The air quality analyses outlined in this document demonstrate that the implementation of the TIP satisfies the conformity criteria where applicable and is consistent with the air quality goals in the Massachusetts SIP. Specifically, the Pioneer Valley MPO has found the emission levels from this FY 2010-2013 TIP – in combination with the emission levels from the other MPOs in its nonattainment area – demonstrate conformity with the SIP. Therefore, the FFY 2010 - 2013 Transportation Improvement Program (TIP) is in conformity with the SIP where required.

APPENDIX C: Transit Funding

APPENDIX D: Listing of Prioritized Projects, Project Needs Form (PNF), and Project Priority Evaluation Criteria

Community	SID	Project Name	Percent Design	Project Cost	Score	
*Westfield	603318	Main St. (Rte 20) and Park Square Hwy Improvement (Total Cost TBD)	100	$15,000,000	12	11 75
Chesterfield	604718	East Street reconstruction (Footprint)	100	$3,305,000	6	5 60
Pelham	601154	Amherst Rd Reconstruction	100	$6,000,000	5	4 70
Amherst	**604043**	**Rte 116 Atkins Corner ($7,508,980)**	**75**	**$6,038,980**	**10**	**10.45**
Springfield	604449	North end and Brightwood Infrastructure Improvements (South)	75	$7,878,000	10	9 85
West Springfield	604737	Westfield St. (Rte. 20)	75	$3,500,000	10	9 83
Westfield	604446	Route 187 - Little River Road reconstruction	75	$5,431,580	8	7 77
Westfield	604445	Route 187 - Sherman's Mill Bridge reconstruction	75	$6,926,210	8	7 65
Westfield	604442	Route 187 - Feeding Hills Road reconstruction	75	$4,658,420	7	7 43
Belchertown	604433	Route 181 (Footprint)	75	$5,554,000	7	7 30
Southwick	604153	Routes 10/202 resurfacing (southerly)	75	$2,600,000	6	5 52
East Longmeadow	601350	Elm Street Reconstruction	75	$3,261,000	4	4 48
Blandford/Russell	605614	Resurfacing Route 23	75	$4,300,000	3	3 45
Springfield	604821	Outer Belt street improvements	25	$2,000,000	10	10 12
Amherst	**82250**	**Route 116 (Notch) reconstruction**	**25**	**$5,300,000**	**9**	**9.10**
West Springfield	**604210**	**Rte 5 Reconstruction $4,800,000 (Section 1C, section 117 funds)**	**25**	**$0**	**9**	**8.78**
*Northampton	180525	Damon Rd Safety Improvement	25	$4,575,000	8	8 10
***Southwick**	**604154**	**Routes 10/202 resurfacing (center) ($5,175,000)**	**25**	**$3,375,000**	**8**	**8.02**
Agawam	602653	Rte 159 (Main Street) Improvements	25	$3,700,000	8	7 77
Hadley	604035	Route 9 at Route 47 intersection improvements	25	$1,993,320	7	7 17
Agawam	600513	N Westfield St / S Westfield St (Rte 187)	25	$3,500,000	7	6 95
Southwick	604033	Congamond Rd. (Rte. 168) Reconstruction	25	$3,700,000	6	6 47
Southampton	604653	East St (Footprint)	25	$4,582,450	5	5 48
Belchertown	604692	N Washington Street Reconstruction	25	$3,200,000	5	5 43
Easthampton	602486	Pomeroy Meadow Rd	25	$1,010,291	5	5 23
Holyoke	**602925**	**Pleasant St. ($2,221,787)**	**25**	**$1,150,547**	**4**	**3.88**
Monson	605687	Lower Hampden Rd Phase 2	25	$4,750,000	4	3 88
Southampton	604738	Glendale Rd. (Phase II)	25	$1,800,000	4	3 82
Huntington	605615	Route 112 Resurfacing	25	$3,070,000	3	3 45
Cummington	605582	Route 9 Pavement Preservation	25	$3,924,500	3	3 20
Westfield	**604601**	**Route 20 Access Road ($10,355,971)**	**25**	**$7,852,283**	**3**	**3.12**
Springfield	**604603**	**Symphony Hall Plaza Improvements ($300,000)**	**25**	**$30,029**	**3**	**2.52**
West Springfield	604746	Union Street Underpass	0	$15,000,000	11	11 22
Hadley/Northampton	604597	I-91 Exit 19 improvements	0	$15,000,000	10	9 75
Chicopee	604435	Memorial Drive (Rt 33) Traffic signal improvement	0	$800,000	10	9 67
Springfield/Wilbraham	605213	Boston Rd Reconstruction (Route 20)	0	$9,260,000	10	9 52
Westfield	604823	I-90 exit 3	0	$1,200,000	9	9 15
Agawam	603372	Connector, Rte 5 to Rte 57/rotary	0	$10,000,000	9	9 10
Westfield	603330	Rte 10/202 CBD Traffic Improvements	0	$3,000,000	9	8 88
Westfield	603449	Western Avenue Highway Improvement	0	$3,500,000	9	8 77
Chicopee	604434	Fuller Rd Corridor Improvements	0	$6,200,000	8	8 27
Westfield	605134	Resurfacing Route 10/202	0	$1,250,000	8	8 05
Palmer	**601504**	**Rte. 32 (Ware Road) ($22,854,850 or $15,000,000 W/O Climb lanes)**	**0**	**$19,975,170**	**7**	**7.43**
Holyoke/West Springfield	604209	Route 5 Reconstruction from Ashley Ave	0	$1,200,000	7	7 42
Northampton	604452	Route 66 (West St) at Earle Street intersection improvements	0	$150,000	7	7 22
Southwick	603477	Route 57 Reconstruction	0	$2,500,000	7	6 82
Springfield	604448	Main St. Front, Route 141 Improvements (Indian Orchard)	0	$785,000	7	6 78
Belchertown	605556	Main @ Maple and Jabish Intersection Improvements	0	$690,000	7	6 68
Agawam	604203	Route 187/57 Intersection Improvements	0	$250,000	6	6 43
Southwick	604155	Routes 10/202 resurfacing (northerly)	0	$2,000,000	6	5 60
Holyoke	605643	Route 202 Resurfacing Ashley Ave to Old County Rd	0	$1,545,000	6	5 58
Goshen	602888	Route 9 reconstruction	0	$4,500,000	5	5 17
Springfield	605385	Roosevelt Ave @ Island Pond Rd and Roosevelt Ave @ Alden Street	0	$1,529,817	5	4 83
Hadley	602796	South Maple Street	0	$2,750,000	5	4 73
Westhampton	602386	Southampton Rd	0	$1,400,000	4	4 38
Plainfield	604825	Route 116 (Main St)	0	$1,250,000	4	4 37
Westhampton	602387	Chesterfield Rd	0	$2,400,000	4	4 02
Westhampton	602822	Kings Highway and Reservoir Rd	0	$1,360,000	4	4 02
Agawam	603731	Bikeway Loop	0	$472,526	4	4 02
Cummington	600301	Rte 112	0	$600,000	4	3 70
Agawam/Southwick	115300	Rte 57 Extension	0	$80,051,614	4	3 65
				$324,585,737		

Community	SID	Project Name	Percent Design	Project Cost	Score	
***Ludlow**	**604437**	**Intersection improvements, Chapin at East Street**	**75**	**$1,301,020**	**8**	**8.15**
Westfield	**603783**	**Columbia Greenway Rail trail and River Walk Phase I (South) ($6,226,907)**	**75**	**$5,234,139**	**6**	**6.28**
Northampton/Easthampton	605728	Manhan Rail Trail-Bridge (Score is from the original project ranking)	75	$620,000	5	5.32
Easthampton	**604441**	**Manhan Rail Trail Coleman Road Extension ($1,176,000)**	**25**	**$522,238**	**5**	**5.30**
West Springfield	603730	CT Riverwalk and Bikeway	25	$2,500,000	5	4.77
Chicopee	602912	Chicopee Riverwalk	25	$1,400,000	5	4.62
Chicopee	602911	Connecticut Riverwalk	25	$1,611,250	4	4.40
Ware	603454	Ware River Valley Preservation Project	25	$1,400,000	4	4.22
Holyoke	**603263**	**Holyoke Canalwalk (Phase 1B) ($2,731,820)**	**0**	**$740,566**	**9**	**8.65**
Westfield	604967	Columbia Greenway Rail trail and River Walk Phase II (Middle)	0	$4,537,500	6	6.28
Westfield	604968	Columbia Greenway Rail trail and River Walk Phase III (North)	0	$1,898,750	6	6.28
Northampton-Whatley	604222	Park and Ride	0	$800,000	5	4.88
				$22,565,463		

Massachusetts Highway Department – District ___ Project Need Form (PNF)

This form is intended to provide preliminary information about the proposed project. It is not expected that all information that is asked for is available or known but applicants are encouraged to complete the form as fully as possible.

From: **Title:**

Municipality/Organization:

Phone: **Fax:**

Date: **Email:**

Project Reference No. (to be filled out by MassHighway): _____

PART I – LOCATION IDENTIFICATION AND DESCRIPTION OF NEED

Municipality:

Route and/or Street(s):

Bridge ID Number (if applicable):

Who owns the roadway/facility?

Estimated project limits by mile marker and station from MassHighway's roadway database or other distinguishing landmarks such as cross street(s). Include a locus map of the project and photos illustrating project need: Start: End:

Total Mileage:

Please provide a brief description of the project need:

Estimated Construction Cost:

Does the project have Federal Funding? ☐ **Yes** ☐ **No**

If yes, legislation: Amount: $

Is the project authorized in a state transportation bond bill? ☐ **Yes** ☐ **No**

If yes, bill: Amount: $

PART II – PROJECT BACKGROUND

In what type of area is the project located? *Project limits may include more than one type of area. For a definition of areas, please refer to Chapter 3 of the Guidebook.*

☐ Rural Natural ☐ Suburban High Density ☐ Rural Village ☐ Suburban Village/Town Center ☐ Rural Developed ☐ Urban Residential or CBD ☐ Suburban Low Density

How does the roadway/facility function in the community?

☐ High-speed, primary corridor with limited access ☐ Moderate speed, major corridor between towns/regions ☐ Low to moderate speed corridor between towns/regions ☐ Moderate speed, major street connecting residential areas to a town center or major connector ☐ Low to moderate speed street connecting residential areas with other streets ☐ Primarily or exclusively a residential street

What is the federal functional classification of the road?

☐ Interstate ☐ Rural Principal Arterial ☐ Urban Principal Arterial ☐ Rural Minor Arterial ☐ Urban Minor Arterial ☐ Rural Major Collector . Urban Collector ☐ Rural Minor Collector

Is the proposed project on the National Highway System? ☐ Yes ☐ No

Does the project have any Intelligent Transportation System Components?
. Yes . No If yes, describe:

Is the project a footprint road project? . Yes . No

Is the project a footprint bridge project? . Yes . No Provide whatever information is available to characterize the current, general use of the facility (attach traffic counts).

CHARACTERISTIC	USE/DATA	DATA SOURCE	NOT AVAILABLE/ Comments
Number of Lanes			
Lane Width			
Shoulder Width			
Sidewalk Availability/Width			
Bicycle Facility Availability/Width			
Existing Right of Way			
Current Average Annual Daily Traffic (AADT)			
Current Peak Hour Vehicular Volume			
Current Peak Hour Bicycle Traffic			
Current Peak Hour Pedestrian Traffic			
Percent Truck Traffic			
Current Transit Operations/Facilities			
Traffic Control (signal, flash, signs, etc.)			
Roadway Lighting			
Pavement Condition an d Markings			
Posted Speed Limit			
85th Percentile Speed			

PART III – TRANSPORTATION NEEDS ASSESSMENT Choose a project type – Roadway, Sidewalk or Multiuse Path; Bridge or Other. Answer the questions that apply to the proposed project. Depending on the nature of the project, not all questions need to be answered. For all projects, answer **For All Projects.**

<u>Roadway, Sidewalk, Multiuse Path</u> ☐ **Preventive Maintenance** ☐ **Rehabilitation/Resurfacing** ☐ **Reconstruction** ☐ **Widening** ☐ **New Facility** ☐ **Intersection, Roundabout or Traffic Signal Improvements** ☐ **New Interchange or Interchange Reconfiguration** ☐ **Safety What is the condition of the facility, e.g. extent of cracking, deterioration, rideabiltiy/walkability, surface condition, structural adequacy, etc.? Include a pavement management system (PMS) condition rating from a MassHighway approved PMS, as appropriate, and attach photo**

documentation with this submittal showing typical facility surface or site conditions.

What year was the last repair made to the facility (at minimum a preventative maintenance treatment)?

What repair was made to the facility? (Use repair typed above and describe)

What is the crash history or other safety concerns of the facility? (For safety projects, consult MassHighway's Traffic Division for more detailed analysis requirements).

Are there mobility issues for motorists, bicyclists or pedestrians? (As an alternate to this question, attach Transportation Evaluation Criteria Form.)

Are there congestion issues? Provide level of service analysis results if necessary. (As an alternate to this question, attach Transportation Evaluation Criteria Form.)

What other conditions exist that warrant this project? (As an alternate to this question, attach Transportation Evaluation Criteria Form.)
Evaluate the impact of the project on the following resources/environmental conditions. If major impact", " minor impact", or "will improve" are selected, describe below. (As an alternate to this question, attach Transportation Evaluation Criteria Form.)

RESOURCE/ CONDITION	MAJOR IMPACT	MINOR IMPACT	NO IMPACT	WILL IMPROVE	UNKNOWN
Cultural Resources					
Wetlands					
Hazardous Materials					
Air Quality					
Noise					
Other					

Bridge ☐ Maintenance ☐ Rehabilitation ☐ Replacement ☐ New or Widening

What is the bridge rating and date of inspection?

☐ Structurally Deficient? ☐ Functionally Obsolete? . Posted? ☐ Unknown?

What is the condition of the bridge elements?

What is the condition of other infrastructure elements? What is the schedule of preventative maintenance?

If a new bridge or a bridge that does not meet current eligibility requirements, describe why the project is proposed.

Other ☐ New or Expanded TDM/Park and Ride Lot ☐ New or Expanded Traffic Management System ☐ Traffic Calming, Streetscape, Lighting, or Transit Improvements ☐ Intelligent Transportation Systems ☐ Other

Describe the conditions that warrant the project.

<u>For All Projects</u>

Describe Right of Way Issues ☐ Probably adequate ☐ Probably will require takings ☐ Probably will require easements and/or rights of entry ☐ Unknown

Describe known project area concerns or constraints.

Describe the project's effect on multimodal accommodation.

PART IV – PUBLIC PROCESS Please describe the public process associated with the project to date. ☐ None to Date

What is the expected level of community interest in the project? ☐ High ☐ Medium ☐ Low ☐ Unknown

Describe issues of concern raised by the public during the public pr

TRANSPORTATION EVALUATION CRITERIA

Templeton **Project Description**

Highway-funded Roadway Improvement/Expansion Projects

PROJECT TYPE	TRANSPORTATION CRITERIA				OTHER IMPACT CRITERIA		
	Condition	Mobility	Safety	Cost Effectiveness	Community Effects and Support	Land Use and Economic Development	Environmental Effects
Roadways	Magnitude of pavement condition improvement 0	Effect on magnitude and duration of congestion 0	Effect on crash rate compared to state average 0	Cost per unit Change in Condition	Residential effects: right-of-way, noise, aesthetics, cut-through traffic, other 0	Business effects: right-of-way access, noise, traffic, parking, freight access, other 0	Air Quality/Climate effects 0
	Magnitude of improvement of other infrastructure elements 0	Effect on travel time and connectivity/access 0	Effect on bicycle and pedestrian safety 0	Cost per lane Mile $ -	Effect on service to minority or low income neighborhoods E.J. 0	Sustainable development effects 0	Water quality/supply effects, wetlands effects 0
		Effect on other modes using facility 0	Effect on transportation security and evacuation routes 0	Cost per AADT $ -	Other impacts/benefits to minority or low income neighborhoods 0	Consistent with regional land-use and economic development plans 0	Historic and cultural resource effects 0
		Effect on regional and local traffic 0		Cost per AADT per lane mile $ -	Public, local government, legislative and regional support 0	Effect on job creation 0	Effect on wildlife habitat and endangered species 0
					Effect on development and redevelopment of housing stock 0		
	Avg. Score (-3 to +3) 0	Avg. Score (-3 to +3) 0	Avg. Score (-3 to +3) 0		Avg. Score (-3 to +3) 0	Avg. Score (-3 to +3) 0	Avg. Score (-3 to +3) 0

Total Score (-18 to +18)
0

APPENDIX E: Summary of Operationg and Maintenance Expenditures

Massachusetts Highway Department
Summary of Operating and Maintenance Expenditures
State Total - Part 1: Non-Federal Aid

Section I - Non Federal Aid Maintenance Projects - State Bondfunds

09/22/09

Program Group/Sub Group	SFY 2007 NFA Expenditures	SFY 2008 NFA Expenditures	SFY 2009 NFA Expenditures	Estimated SFY 2010 NFA Expenditures
01 - Bridge Repair & Replacement				
New Bridge (Excluded)				
Bridge Replacement (Excluded)				
Bridge Reconstruction/Rehab	$10,698,913	$7,566,051	$7,307,465	$8,524,143
Drawbridge Maintenance	$2,854,940	$2,454,677	$1,938,015	$2,349,211
Structure Maintenance	$36,458,923	$45,717,904	$63,442,109	$48,539,645
02 - Bridge Painting				
Painting - Structural	$679,156	$4,676	$210,121	$297,951
03 - Roadway Reconstruction				
Hwy Relocation (Excluded)				
Hwy Recon. - Added Capacity(Excluded)				
Hwy Recon - Added Capacity(Excluded)				
New Construction (Excluded)				
Hwy Reconstr - Restr and Rehab	$3,078,743	$2,807,431	$2,121,430	$2,669,201
Hwy Reconstr - No Added Capacity	$4,911,167	$4,477,773	$1,274,259	$3,554,406
Hwy Reconstr - Minor Widening	$1,965,568	$2,166,230	$65,601	$1,399,133
Hwy Reconstr - Major Widening (Excluded)				
04 - Roadway Resurfacing				
Resurfacing	$16,070,286	$17,218,469	$19,085,041	$8,416,948
05 - Intersection & Safety				
Impact Attenuators	$159,735	$406,476	$425,300	$602,409
Safety Improvements	$582,990	$1,199,331	$689,062	$1,812,935
Traffic Signals	$2,154,258	$2,025,687	$1,446,454	$316,988
06 - Signs & Lighting				
Lighting and Electrical	$646,474	$875,595	$1,013,510	$766,708
Sign Installation / Upgrading	$677,825	$560,012	$715,368	$548,566
Structural Signing	$643,860	$433,372	$297,844	$116,602
07 - Guardrail				
Guard Rail and Fencing	$1,279,710	$1,985,777	$1,508,201	$496,664
08 - Maintenance				
Catch Basin Cleaning	$2,546,479	$2,412,231	$3,528,908	$1,412,899
Crack Sealing	$182,768	$471,316	$1,583,919	$2,154,108
Landscape and Roadside Develop	$3,154,920	$2,142,781	$1,749,289	$711,185
Mowing and Spraying	$72,103	$213,683	$895,458	$2,277,202
Pavement Marking	$3,195,123	$2,858,789	$2,168,115	$1,477,843
Sewer and Water	$835,173	$1,052,779	$1,042,804	$320,319
Process/Recycle/Trnsprt Soils				
Contract Hwy Maint				
09 - Facilities				
Chemical Storage Sheds	$0	$1,169	$40,585	$375,433
Vertical Construction				
10 - Bikeways (Excluded)				
11 - Other				
Miscellaneous / No Prequal	$0	$0	$184,917	$61,639
Asbestos Removal	$0	$76,868	$121,955	$102,725
Demolition	$0	$0	$358,550	$281,707
Drilling and Boring	$497,113	$470,005	$192,951	$162,560
Section I Total:	$93,146,216	$98,858,660	$113,387,200	$89,748,990

Section II - Non Federal Aid Highway Operations - State Operating Budget Funding

12 - Snow and Ice Operations & Materials	$41,750,043	$106,606,417	$129,450,263	$92,602,241
13 - District Maintenance (Mowing, Litter Management, Sight Distance Clearing, Etc.)	$15,338,057	$20,003,417	$17,682,990	$17,674,821
Section II Total:	$57,088,100	$126,609,834	$147,133,253	$110,277,062

Note: 2009 District Maintenance is as of week 49

Grand Total NFA:	$150,234,346 #	$226,278,794	$260,520,453	$200,026,052

Massachusetts Highway Department
Summary of Operating and Maintenance Expenditures
State Total - Part 2: Federal Aid

Section I - Federal Aid Maintenance Projects

06/22/09

Program Group/Sub Group	SFY 2007 Federal Aid Expenditures	SFY 2008 Federal Aid Expenditures	SFY 2009 Federal Aid Expenditures	Estimated SFY 2010 Federal Aid Expenditures
01 - Bridge Repair & Replacement				
New Bridge (Excluded)				
Bridge Replacement (Excluded)				
Bridge Reconstruction/Rehab	$29,809,977	$43,160,563	$60,840,349	$52,576,098
Structure Maintenance	$3,308,860	$4,338,093	$20,883,641	$15,387,792
02 - Bridge Painting	$0	$0	$0	$0
03 - Roadway Reconstruction				
Hwy Relocation (Excluded)				
Hwy Recon. - Added Capacity(Excluded)				
Hwy Recon - Added Capacity(Excluded)				
New Construction (Excluded)				
Hwy Reconstr - Restr and Rehab	$12,991,532	$27,112,543	$27,990,725	$24,488,920
Hwy Reconstr - No Added Capacity	$65,518,298	$51,557,548	$66,846,411	$60,638,830
Hwy Reconstr - Minor Widening	$30,516,251	$25,550,247	$29,227,351	$31,764,935
Hwy Reconstr - Major Widening (Excluded)				
04 - Roadway Resurfacing				
Resurfacing	$48,533,941	$33,836,260	$45,844,392	$84,033,348
05 - Intersection & Safety				
Impact Attenuators	$70,196	$28,124	$32,953	$20,359
Safety Improvements	$2,699,308	$4,595,815	$5,245,443	$12,157,288
Traffic Signals	$27,938,951	$20,998,628	$15,101,620	$21,391,545
06 - Signs & Lighting				
Lighting and Electrical	$711,483	$381,104	$43,531	$1,105,349
Sign Installation / Upgrading	$3,386,284	$2,741,357	$4,254,861	$4,030,622
07 - Guardrail				
Guard Rail and Fencing	$198,268	$221,152	$148,280	$123,144
08 - Maintenance				
Contract Highway Maintenance	$2,662	$38,505	$13,722	$35,220
Landscape and Roadside Develop	$763,872	$818,569	$586,740	$664,016
Pavement Marking	$0	$0	$0	$0
09 - Facilities	$0	$0	$0	$378,345
Vertical Construction				
10 - Bikeways (Excluded)	$78,570	$150,599	$302,260	$0
11 - Other				
Intelligent Transportation Sys	$0	$0	$4,281,058	$3,827,814
Miscellaneous / No prequal	$1,052,951	$1,306,225	$1,036,047	$3,041,795
Reclamation	$1,392,683	$678,127	$625,428	$155,756
Unknown	$2,789,053	$5,120,259	$1,510	$71
Section I Total	$231,761,137	$222,631,518	$283,305,322	$315,701,244

Section II - Federal Aid Highway Operations

11 - Other				
ITS Operations - I-93 HOV Lane Operation and Towing	$500,000	$500,000	$500,000	$550,000
ITS Operations - Traffic Operations Center (South Boston)	$600,000	$600,000	$600,000	$650,000
Section II Total	$1,100,000	$1,100,000	$1,100,000	$1,200,000

Grand Total Federal Aid:	$232,861,137	$223,731,518	$284,405,322	$316,901,244

Massachusetts Highway Department
Summary of Operating and Maintenance Expenditures
Pioneer Valley Region - Part 1: Non-Federal Aid

Section I - Non Federal Aid Maintenance Projects - State Bondfunds

08/22/09

Program Group/Sub Group	SFY 2007 NFA Expenditures	SFY 2008 NFA Expenditures	SFY 2009 NFA Expenditures	Estimated SFY 2010 NFA Expenditures
01 - Bridge Repair & Replacement				
New Bridge (Excluded)				
Bridge Replacement (Excluded)				
Bridge Reconstruction/Rehab	$1,157,902	$498	$6,629	$388,010
Drawbridge Maintenance	$233,864	$265,850	$212,534	$237,418
Structure Maintenance	$4,775,987	$4,565,333	$8,586,434	$5,975,938
02 - Bridge Painting				
Painting - Structural	$91,293	$388	$24,679	$38,787
03 - Roadway Reconstruction				
Hwy Relocation (Excluded)				
Hwy Recon. - Added Capacity(Excluded)				
Hwy Recon - Added Capacity(Excluded)				
New Construction (Excluded)				
Hwy Reconstr - Restr and Rehab	$256,420	$302,664	$228,916	$262,667
Hwy Reconstr - No Added Capacity	$146,322	$0	$0	$48,774
Hwy Reconstr - Minor Widening	$1,709,532	$2,003,141	$33,998	$1,248,890
Hwy Reconstr - Major Widening(Excluded)				
04 - Roadway Resurfacing				
Resurfacing	$3,114,697	$1,963,617	$1,395,149	$2,157,821
05 - Intersection & Safety				
Impact Attenuators	$24,910	$63,388	$54,363	$47,564
Safety Improvements	$30,846	$21,982	$16,408	$23,079
Traffic Signals	$196,908	$212,545	$204,836	$204,763
06 - Signs & Lighting				
Lighting and Electrical	$100,814	$136,545	$118,860	$118,740
Sign Installation / Upgrading	$73,411	$82,817	$85,150	$73,793
Structural Signing	$89,731	$46,926	$45,445	$54,034
07 - Guradrail				
Guard Rail and Fencing	$214,355	$331,414	$241,858	$262,542
08 - Maintenance				
Catch Basin Cleaning	$424,992	$402,586	$496,107	$441,228
Crack Sealing	$19,794	$51,045	$116,821	$62,554
Landscape and Roadside Develop	$341,689	$232,071	$271,923	$281,894
Mowing and Spraying	$7,809	$0	$2,664	$3,491
Pavement Marking	$346,043	$313,949	$301,706	$320,568
Sewer and Water	$293,715	$165,299	$114,051	$161,022
Process/Recycle/Trnsprt Soils				$0
Contract Hwy Maint.				$0
09 - Facilities				
Chemical Storage Sheds	$0	$0	$0	$0
Vertical Construction	$740	$2,559	$216,916	$74,072
10 - Bikeways (Excluded)				
11 - Other				
Miscellaneous / No Prequal	$0	$0	$0	$0
Asbestos Removal	$0	$0	$0	$0
Demolition	$0	$0	$41,862	$13,954
Drilling and Boring	$109,439	$104,092	$139,841	$117,791
Section I Total:	$13,851,213	$11,248,769	$4,129,873	$5,979,227

Section II - Non Federal Aid Highway Operations - State Operating Budget Funding

12 - Snow and Ice Operations & Materials	$4,513,138	$11,524,047	$13,393,444	$10,010,210
13 - District Maintenance (Mowing, Litter Management, Sight Distance Clearing, Etc.)	$1,658,029	$2,162,349	$1,911,514	$1,910,631
Section II Total:	$6,171,167	$13,686,396	$15,304,958	$11,920,840
Grand Total NFA:	$19,822,380	$24,935,165	$20,033,831	$17,900,067

Massachusetts Highway Department
Summary of Operating and Maintenance Expenditures
Pioneer Valley Region - Part 2: Federal Aid

Section I - Federal Aid Maintenance Projects

08/22/09

Program Group/Sub Group	SFY 2007 Federal Aid Expenditures	SFY 2008 Federal Aid Expenditures	SFY 2009 Federal Aid Expenditures	Estimated SFY 2010 Federal Aid Expenditures
01 - Bridge Repair & Replacement				
New Bridge (Excluded)				
Bridge Replacement (Excluded)				
Bridge Reconstruction/Rehab	$935,490	$10,988,181	$21,902,480	$18,264,380
Structure Maintenance	$2,497,162	$158,187	$0	$52,062
02 - Bridge Painting	$0	$0	$0	$0
03 - Roadway Reconstruction				
Hwy Relocation (Excluded)				
Hwy Recon. - Added Capacity(Excluded)				
Hwy Recon - Added Capacity(Excluded)				
New Construction (Excluded)				
Hwy Reconstr - Restr and Rehab	$0	$0	$8,069,127	$5,379,418
Hwy Reconstr - No Added Capacity	$8,178,090	$8,017,374	$11,449,647	$10,305,556
Hwy Reconstr - Minor Widening	$3,124,433	$2,530,880	$4,374,303	$3,759,829
Hwy Reconstr - Major Widening (Excluded)				
04 - Roadway Resurfacing				
Resurfacing	$12,530,255	$12,011,183	$5,612,682	$7,722,499
05 - Intersection & Safety				
Impact Attenuators	$15,178	$6,061	$7,125	$4,402
Safety Improvements	$30,794	$121,820	$7,094	$45,336
Traffic Signals	$1,310,081	$818,153	$865,103	$842,152
06 - Signs & Lighting				
Lighting and Electrical	$0	$0	$0	$0
Sign Installation / Upgrading	$223,331	$232,228	$150,674	$130,166
07 - Guardrail				
Guard Rail and Fencing	$42,870	$47,819	$32,062	$26,627
08 - Maintenance				
Contract Highway Maintenance	$576	$8,326	$2,967	$3,764
Landscape and Roadside Develop	$0	$0	$0	$0
Pavement Marking	$0	$0	$0	$0
09 - Facilities				
Vertical Construction	$190,452	$16,874	$89,109	$28,661
10 - Bikeways (Excluded)				
11 - Other				
Intelligent Transportation Sys	$0	$0	$4,281,058	$2,854,039
Miscellaneous / No prequal	$192,878	$239,272	$189,782	$143,018
Reclamation	$142,257	$18,641	$97,096	$59,432
Unknown				$0
Section I Total	$29,413,846	$35,211,019	$57,110,508	$49,621,341

Section II - Federal Aid Highway Operations

11 - Other				
ITS Operations - I-93 HOV Lane Operation and Towing	$0	$0	$0	$0
ITS Operations - Traffic Operations Center (South Boston)	$0	$0	$0	$0
Grand Total Federal Aid:	$29,413,846	$35,211,019	$57,110,508	$49,621,341

APPENDIX F: Metropolitan Planning Area (MPA) State and Local Consulted Agencies

23 CFR 450.316(2)(b) of Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) states that

"In developing metropolitan transportation plans and TIPs, the MPO should consult with agencies and officials responsible for other planning activities within the MPA (metropolitan planning area) that are affected by transportation (including State and local planned growth, economic development, environmental protection, airport operations, or freight movements) or coordinate its planning process (to the maximum extent practicable) with such planning activities"

PVMPO fulfilled these requirements through the processes tied to the Joint Transportation Committee (JTC). Listed below are two tables, table 1 list agencies with transportation interest in the Metropolitan Planning Area (MPA) that were contacted for the purpose of consultation while developing the TIP. Table 2 lists the agencies from table 1 which responded and corridinated meetings were held during TIP development.

Table 1
(Agencies Contacted)

Agency	Agency Location
Westfield River Wild and Scenic Advisory Committee	Haydenville
Executive Office of Transportation	Boston
FEDERAL HIGHWAY ADMIN	Cambridge
US EPA	Boston
Executive Office of Transportation	Boston
COUNCIL ON AGING	Granby
AIR QUALITY CONTROL (DEP)	Boston
FEDERAL TRANSIT ADMIN	Cambridge
MassHighway (MHD) Districts 1& 2	Northampton
OFFICE OF SOCIAL CONCERN	Springfield
Economic Development Council of Western Mass	Springfield
PETER PAN BUS LINES, INC.	Springfield
Pioneer Valley Transit Authority (PVTA)	Springfield
BARNES AIRPORT	Westfield
Pioneer Valley RR	Westfield
Bike/Ped Community (MassBike)	Williamsburg
UMASS Transit	Amherst
UMASS Traveler Information Center (RTIC)	Amherst

These agency are solicited to comment and provide relavant information during TIP development and are invited to attended all meetings and workshop involving project evaluation. Agendas and information in regards the TIP and its development are distributed by mail prior to meetings as outlined in the Public Participation Plan for the Pioneer Valley.

Table 2
(Agencies Providing Consultation)

Agency	Agency Location